

L Number	Hits	Search Text	DB	Time stamp
1	1793	(514/229.2,248,252.17,253.04,253.06,253.07).CCLS.	USPAT; US-PGPUB	2004/01/05 13:50
2	2611	(544/105,235,283,362,363).CCLS.	USPAT; US-PGPUB	2004/01/05 13:51
3	3806	((514/229.2,248,252.17,253.04,253.06,253.07).CCLS.) ((544/105,235,283,362,363).CCLS.)	USPAT; US-PGPUB	2004/01/05 13:52
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7	24	((514/229.2,248,252.17,253.04,253.06,253.07).CCLS.) ((544/105,235,283,362,363).CCLS.)) AND \$methoxyquinolin\$ AND bacter\$	USPAT; US-PGPUB	2004/01/05 13:53

## Inventor Information for 10/018900

Inventor Name	City	State/Country
DAVIES, DAVID THOMAS	HERTFORDSHIRE	UNITED KINGDOM
MARKWELL, ROGER EDWARD	ESSEX	UNITED KINGDOM
PEARSON, NEIL DAVID	HERTFORDSHIRE	UNITED KINGDOM
TAKLE, ANDREW KENNETH	ESSEX	UNITED KINGDOM

[Appln Info](#)[Contents](#)[Petition Info](#)[Atty/Agent Info](#)[Continuity Data](#)[Foreign Data](#)Search Another: Application# or Patent# PCT /  / or PG PUBS # Attorney Docket # Bar Code # 

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NEWS	10	DEC 08	CABA reloaded with left truncation
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NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
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NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.42	0.42

FULL ESTIMATED COST

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DICTIONARY FILE UPDATES: 4 JAN 2004 HIGHEST RN 634148-43-9

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

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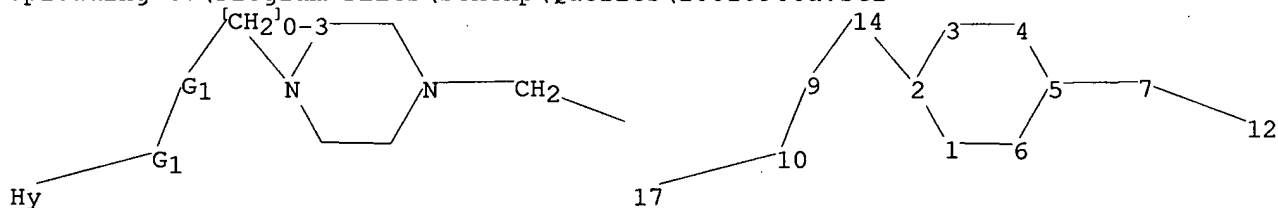
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10018900a.str



chain nodes :

7 9 10 12 14 17

ring nodes :

1 2 3 4 5 6

chain bonds :

2-14 5-7 7-12 9-10 9-14 10-17

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-14 10-17

exact bonds :

2-14 5-7 7-12

G1:C,O,N

G2:C,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 9:Atom 10:Atom 12:Atom  
14:CLASS 17:Atom

Generic attributes :

17:

Number of Carbon Atoms : 7 or more

Number of Hetero Atoms : 2 or more

Type of Ring System : Polycyclic

Element Count :

Node 17: Limited

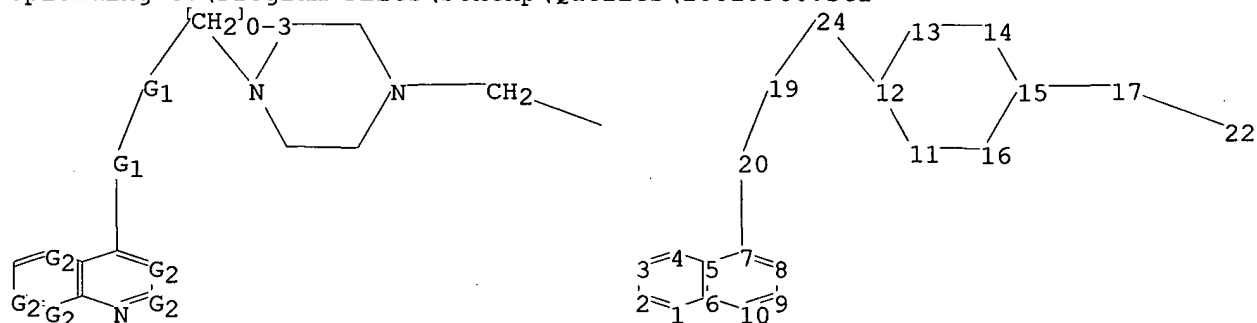
N,N2

C,C8

L1 STRUCTURE UPLOADED

=>

Uploading C:\Program Files\Stnexp\Queries\10018900.str



chain nodes :

17 19 20 22 24

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

chain bonds :

7-20 12-24 15-17 17-22 19-20 19-24

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 11-12 11-16 12-13 13-14  
14-15 15-16

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-20 8-9 9-10 11-12 11-16 12-13  
12-24 13-14 14-15 15-16 15-17 17-22 19-20 19-24

isolated ring systems :

containing 1 :

G1:C,O,N

G2:C,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 19:Atom 20:Atom  
22:Atom 24:CLASS

L2 STRUCTURE UPLOADED

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14.5% PROCESSED 1000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

2 ANSWERS

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BATCH \*\*COMPLETE\*\*  
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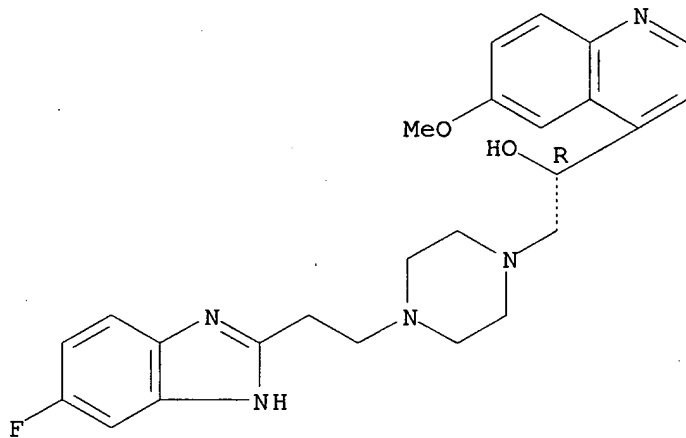
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=> d scan

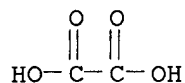
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(9CI)  
MF C25 H28 F N5 O2 . C2 H2 O4

CM 1

Absolute stereochemistry.



CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s 12 full

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FULL SCREEN SEARCH COMPLETED - 138353 TO ITERATE

100.0% PROCESSED 138353 ITERATIONS  
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114 ANSWERS

L4 114 SEA SSS FUL L2

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SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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156.26

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L5 5 L4

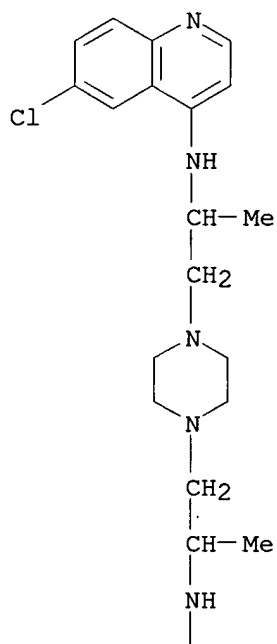
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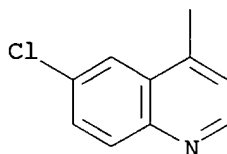
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RN 107386-93-6 CAOLD

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PAGE 2-A

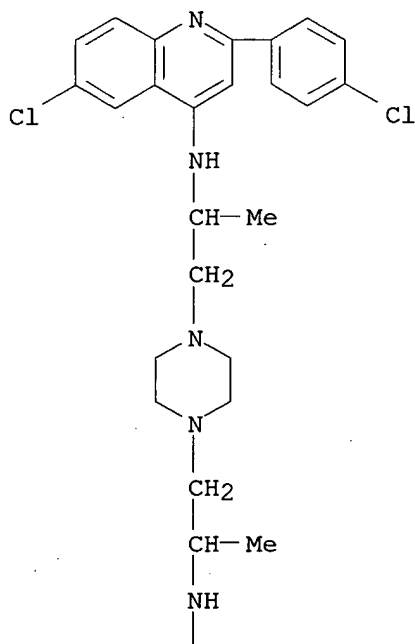


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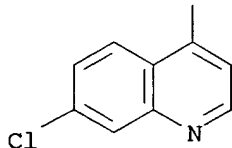
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PAGE 1-A



PAGE 2-A



CA61:14691f 1,4-bis(quinolylalkyl)piperazines. Societe des Usines Chimiques  
Rhône-Poulenc

Patent Info.: FR 82308

PATENT NO.	KIND	DATE
FR 82308		

PI FR 82308

L5 ANSWER 3 OF 5 CAOLD COPYRIGHT 2004 ACS on STN

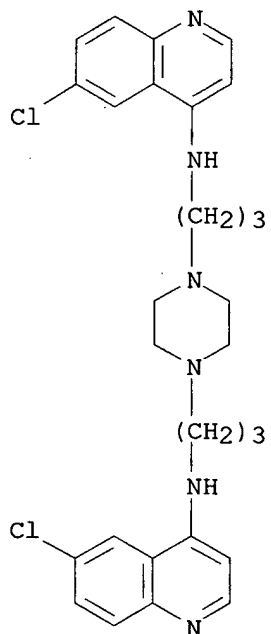
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106884-60-0 107386-93-6

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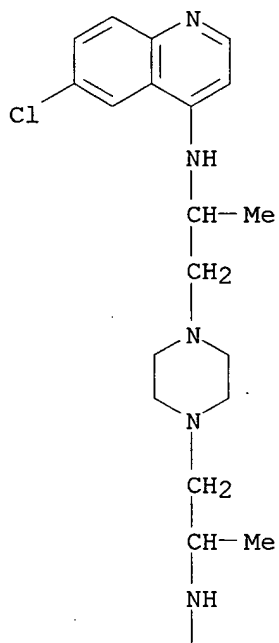
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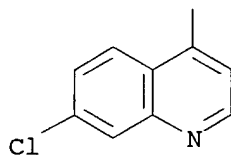
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PAGE 1-A

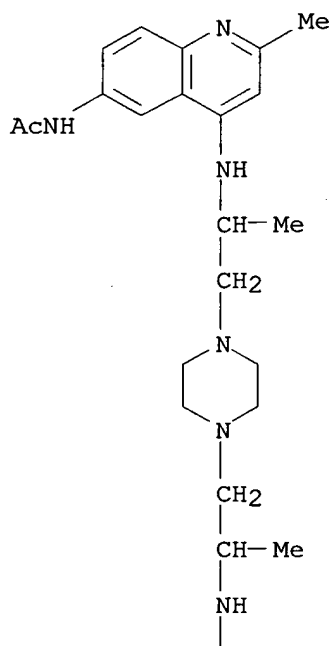


PAGE 2-A

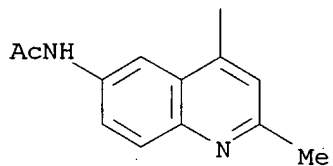


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PAGE 1-A

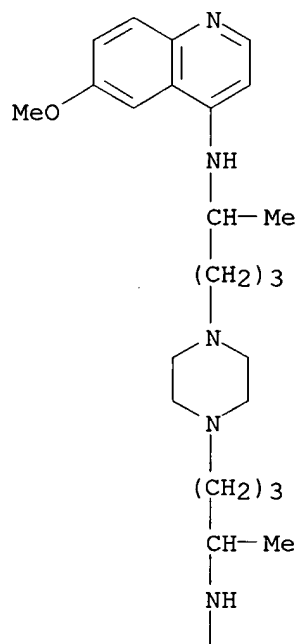


PAGE 2-A

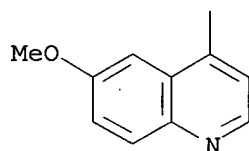


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PAGE 1-A

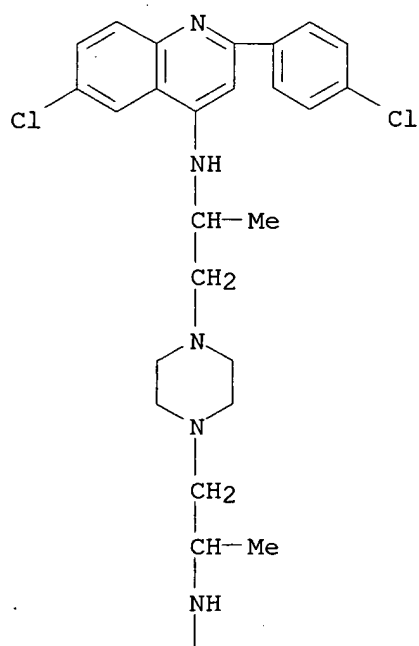


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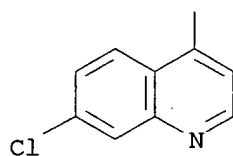


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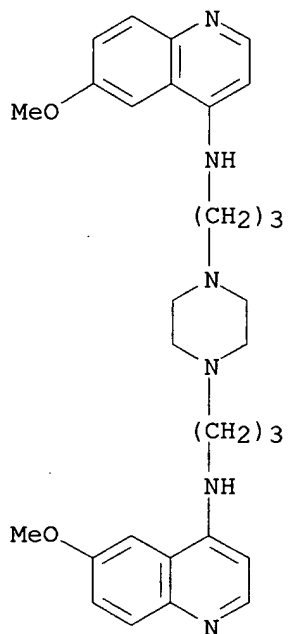
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PAGE 2-A



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RN 106884-60-0 CAOLD

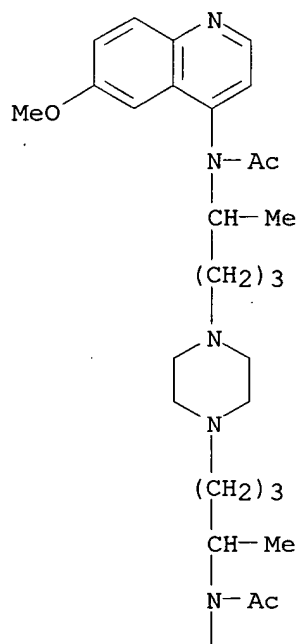
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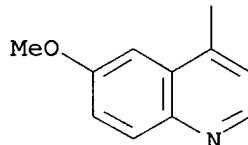
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PAGE 1-A



PAGE 2-A

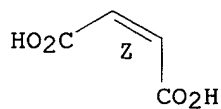


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CRN 110-16-7

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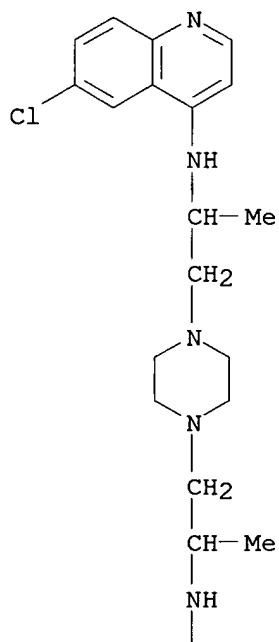
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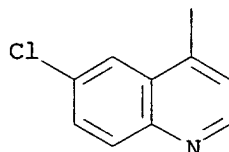
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CN Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]bis[(6-chloro- (7CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



CA61:4380h 1,4-bis[(4-quinolylamino)alkyl]piperazines. Rhone-Poulenc S. A.  
Patent Info.: BE 626239; DE 1196202; FR AD82307; GB 986350

PATENT NO.	KIND	DATE
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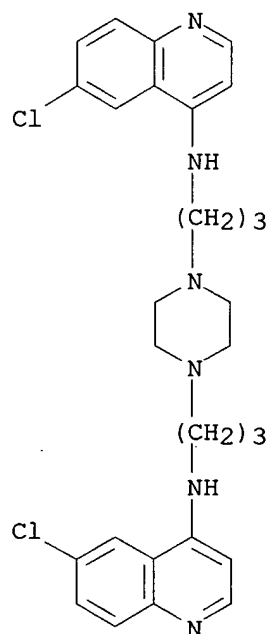
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106460-39-3 107386-93-6

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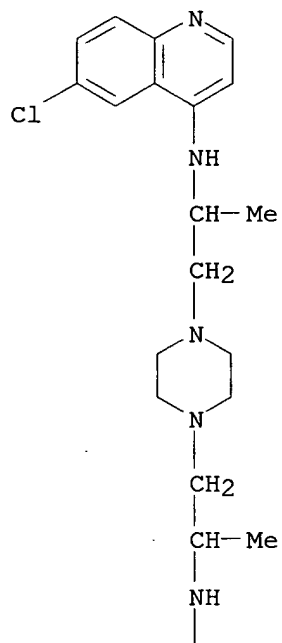




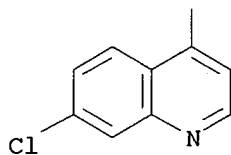
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PAGE 1-A

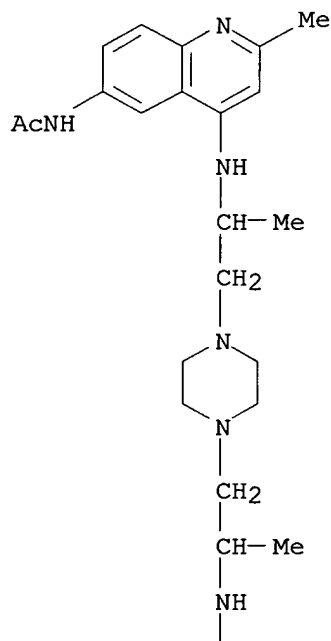


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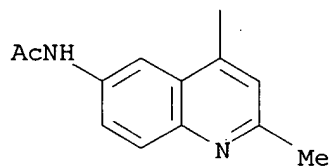


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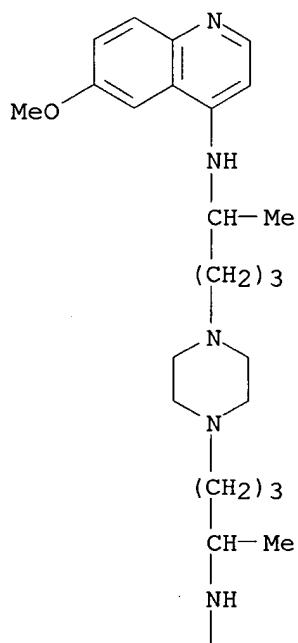


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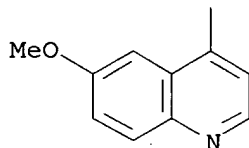


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PAGE 1-A



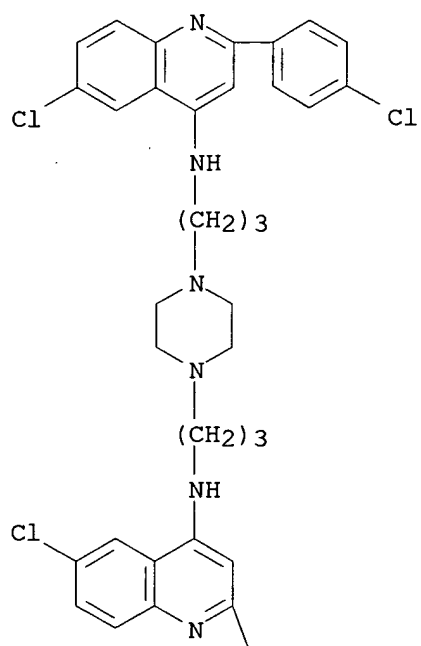
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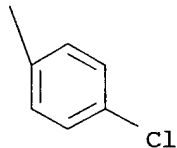
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PAGE 1-A

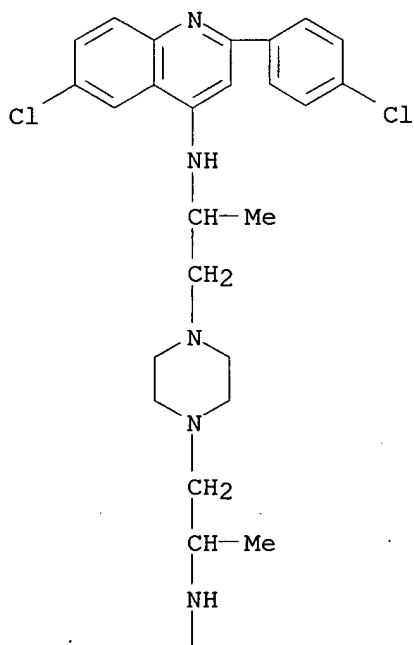


PAGE 2-A

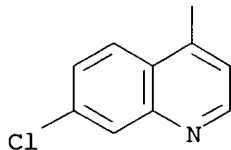


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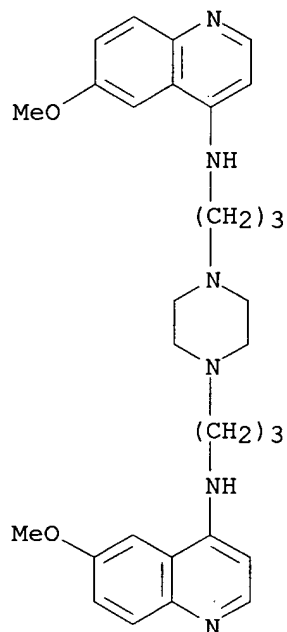
PAGE 1-A



PAGE 2-A



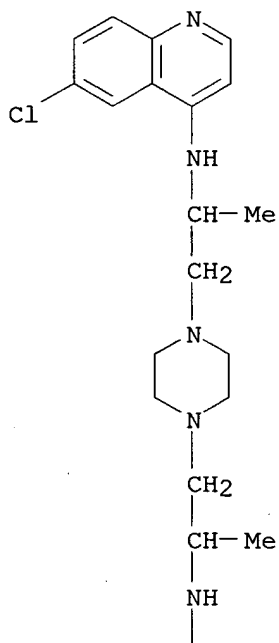
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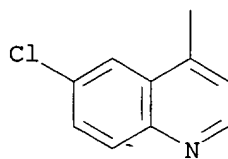


RN 107386-93-6 CAOLD

CN Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]bis[(6-chloro- (7CI) (CA INDEX NAME)

PAGE 1-A





CA60:2970a 1,4-bis[(4-quinolylamino)alkyl]piperazines. Rhone-Poulenc S. A.

Patent Info.: FR CAM42

PATENT NO.	KIND	DATE
FR CAM42		

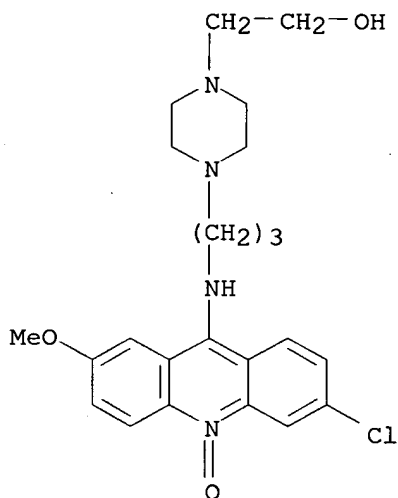
PI FR CAM42

L5 ANSWER 5 OF 5 CAOLD COPYRIGHT 2004 ACS on STN

IT **100996-25-6**

RN 100996-25-6 CAOLD

CN 1-Piperazineethanol, 4-[3-[(6-chloro-2-methoxy-9-acridinyl)amino]propyl]-, 10-oxide, trihydrochloride (7CI) (CA INDEX NAME)



● 3 HCl

CA59:571f 3-chloro-9-(4-diethylamino-1-methylbutylamino)acridine 10-oxide and other 9-aminoacridine N-oxides. Elslager, Edward F.; Bowman, R. E.; Tendick, F. H.; Tivey, D. J.; Worth, D. F.

=> d his

(FILE 'HOME' ENTERED AT 11:21:12 ON 05 JAN 2004)

FILE 'REGISTRY' ENTERED AT 11:22:06 ON 05 JAN 2004

L1 STRUCTURE UPLOADED

10/018,900 Thomas McKenzie

L2                   STRUCTURE UPLOADED  
L3                   2 S L2  
L4                   114 S L2 FULL

FILE 'CAOLD' ENTERED AT 11:23:30 ON 05 JAN 2004  
L5                   5 S L4

=>

Uploading

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Do you want to switch to the Registry File?

Choice (Y/n):

Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	17.01	173.27

FILE 'REGISTRY' ENTERED AT 11:28:34 ON 05 JAN 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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STRUCTURE FILE UPDATES:     4 JAN 2004   HIGHEST RN 634148-43-9  
DICTIONARY FILE UPDATES:    4 JAN 2004   HIGHEST RN 634148-43-9

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

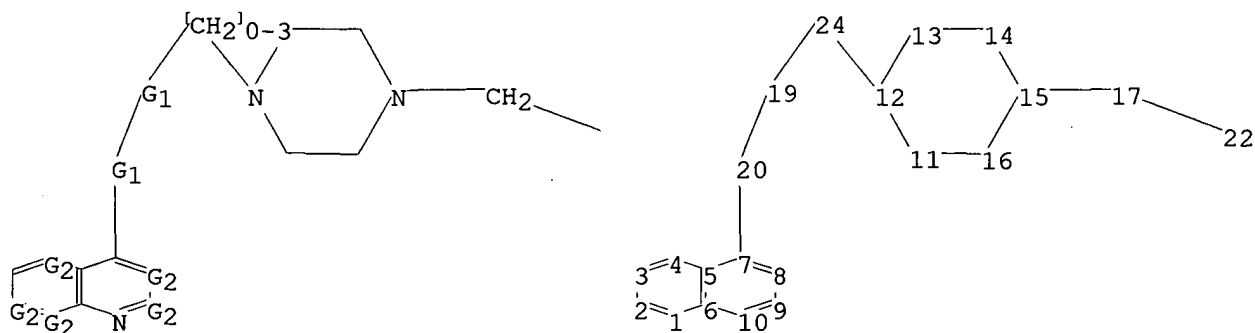
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10018900.str





chain nodes :

17 19 20 22 24

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

chain bonds :

7-20 12-24 15-17 17-22 19-20 19-24

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 11-12 11-16 12-13 13-14  
14-15 15-16

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-20 8-9 9-10 11-12 11-16 12-13  
12-24 13-14 14-15 15-16 15-17 17-22 19-20 19-24

isolated ring systems :

containing 1 :

G1:C,O,N

G2:C,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 19:Atom 20:Atom  
22:Atom 24:CLASS

L6 STRUCTURE UPLOADED

=> s 16 subset = 14 full

FULL SUBSET SEARCH INITIATED 11:29:21 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 114 TO ITERATE

100.0% PROCESSED 114 ITERATIONS

103 ANSWERS

SEARCH TIME: 00.00.01

L7 103 SEA SUB=L4 SSS FUL L6

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

37.49

210.76

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FILE 'CAPLUS' ENTERED AT 11:29:30 ON 05 JAN 2004  
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FILE COVERS 1907 - 5 Jan 2004 VOL 140 ISS 2  
FILE LAST UPDATED: 4 Jan 2004 (20040104/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.44	211.20

FILE 'REGISTRY' ENTERED AT 11:30:02 ON 05 JAN 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 4 JAN 2004 HIGHEST RN 634148-43-9  
DICTIONARY FILE UPDATES: 4 JAN 2004 HIGHEST RN 634148-43-9

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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=> s 17 not (107386-93-6 OR 105768-65-8)
      1 107386-93-6
        (107386-93-6/RN)
      1 105768-65-8
        (105768-65-8/RN)
L8      101 L7 NOT (107386-93-6 OR 105768-65-8)
```

10/018,900 Thomas McKenzie

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

211.62

FILE 'CAPLUS' ENTERED AT 11:30:42 ON 05 JAN 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE COVERS 1907 - 5 Jan 2004 VOL 140 ISS 2

FILE LAST UPDATED: 4 Jan 2004 (20040104/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l8

L9 16 L8

=> sort py l9

SORT ENTIRE ANSWER SET? (Y)/N:.

PROCESSING COMPLETED FOR L9

L10 16 SORT L9 PY

=> d l10 1-10 cbib pi fhitr

L10 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

1964:425479 Document No. 61:25479 Original Reference No.

61:4380h,4381a-h,4382a-b 1,4-Bis(4-quinolylaminoalkyl)piperazines.  
(Rhône-Poulenc S.A.). BE 626239 19630618, 31 pp. (Unavailable).

PRIORITY: FR 19611229.

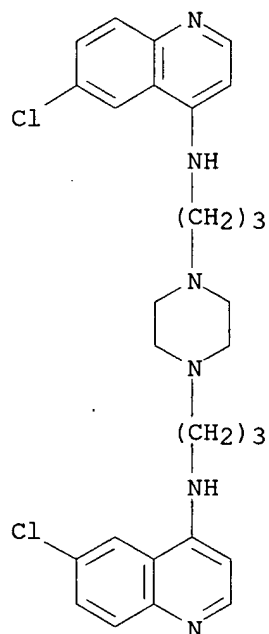
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	BE 626239	19630618	BE	
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	FR AD82307		FR	
	GB 986350		GB	

IT **103306-38-3**, Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro-  
(preparation of)

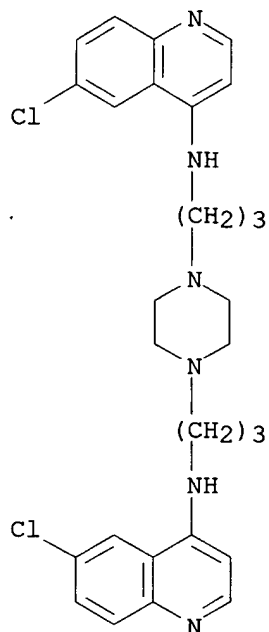
RN 103306-38-3 CAPLUS

CN Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro-  
(7CI) (CA INDEX NAME)



L10 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN  
 1964:16840 Document No. 60:16840 Original Reference No. 60:2970a-g 1,4-Bis  
 [(4-quinolylamino)alkyl] piperazines. (Rhone-Poulenc S.A.). FR CAM42  
 19631007, 8 pp.; Addn. to Fr. M 1695. (Unavailable). APPLICATION: FR  
 19620328.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR CAM42		19631007	FR	19620328
IT	103306-38-3, Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro- (preparation of)				
RN	103306-38-3 CAPLUS				
CN	Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro- (7CI) (CA INDEX NAME)				



L10 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

1974:14856 Document No. 80:14856 1-(6-Methoxy-4-quinolyl)-3-(3-vinyl-4-piperidyl)-1-propanones. Hannart, Jean A.; Quevauviller, Andre J.; Sarrazin, Ginette (Omnium Chimique).. Ger. Offen. DE 2315148 19731018, 14 pp. (German). CODEN: GWXXBX. APPLICATION: DE 1973-2315148 19730327.

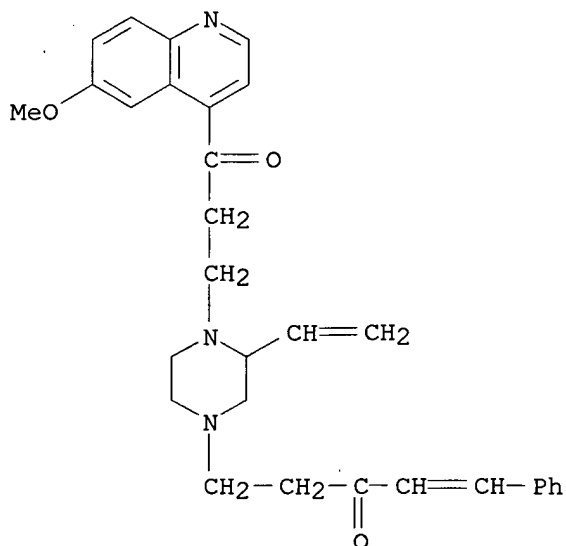
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2315148	A1	19731018	DE 1973-2315148	19730327
FR 2177511	A1	19731109	FR 1972-10816	19720328

IT **53079-10-0P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 53079-10-0 CAPLUS

CN 1-Penten-3-one, 5-[3-ethenyl-4-[3-(6-methoxy-4-quinolinyl)-3-oxopropyl]-1-piperazinyl]-1-phenyl- (9CI) (CA INDEX NAME)



L10 ANSWER 4 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

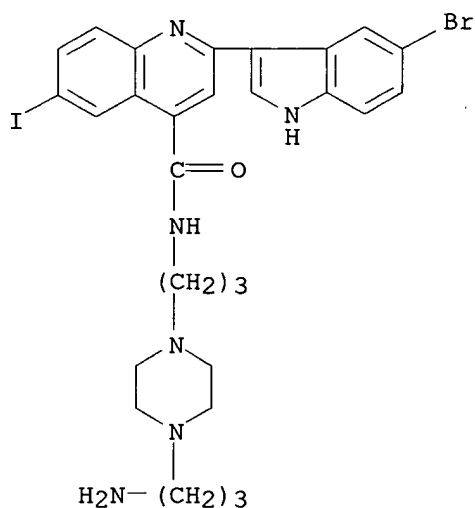
1999:27676 Document No. 130:81422 Quinoline-indole antimicrobial agents.  
 Kumaravel, Gnanasambandam; Hoemann, Michael Z.; Melikian-Badalian, Anita;  
 Cuny, Gregory D.; Hauske, James R.; Heefner, Donald L.; Rossi, Richard F.  
 (Sepracor, Inc., USA). PCT Int. Appl. WO 9857931 A2 19981223, 146 pp.  
 DESIGNATED STATES: W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU,  
 CZ, DE, DK, EE, ES, FI, GB, GE, GH, BM, GW, HU, ID, IL, IS, JP, KE, KG,  
 KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL,  
 PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN,  
 YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG,  
 CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR,  
 NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO  
 1998-US12762 19980618. PRIORITY: US 1997-878781 19970619; US 1998-45051  
 19980319.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9857931	A2	19981223	WO 1998-US12762	19980618
	WO 9857931	A3	19990429		
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	RW:		GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG		
	US 6207679	B1	20010327	US 1998-45051	19980319
	EP 991623	A2	20000412	EP 1998-930396	19980618
	R:		AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI		
	JP 2002505689	T2	20020219	JP 1999-504835	19980618
	AU 757059	B2	20030130	AU 1998-79797	19980618
	NO 9906269	A	20000216	NO 1999-6269	19991217
IT	<b>218463-57-1P</b>				
	RL:		BAC (Biological activity or effector, except adverse); BSU (Biological		

study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);  
 BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of indolylquinoline bactericides)

RN 218463-57-1 CAPLUS

CN 4-Quinolinecarboxamide, N-[3-[4-(3-aminopropyl)-1-piperazinyl]propyl]-2-(5-bromo-1H-indol-3-yl)-6-iodo- (9CI) (CA INDEX NAME)



L10 ANSWER 5 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

1999:9834 Document No. 130:81421 Preparation of indolyl(iso)quinolines as bactericides. Kumaravel, Gnanasambandam; Hoemann, Michael Z.; Melikian-Badalian, Anita; Cuny, Gregory D.; Hauske, James R.; Heefner, Donald L.; Rossi, Richard F. (Sepracor Inc., USA). PCT Int. Appl. WO 9857952 A1 19981223, 138 pp. DESIGNATED STATES: W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1998-US12706 19980618. PRIORITY: US 1997-878781 19970619.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9857952	A1	19981223	WO 1998-US12706	19980618
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AU 9882586	A1	19990104	AU 1998-82586	19980618

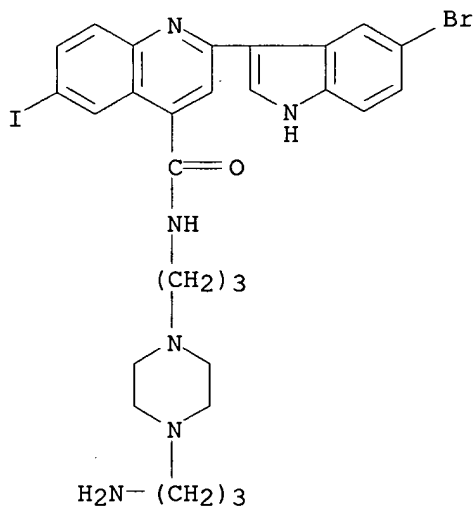
IT 218463-57-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of indolyl(iso)quinolines as bactericides)

RN 218463-57-1 CAPLUS

CN 4-Quinolinecarboxamide, N-[3-[4-(3-aminopropyl)-1-piperazinyl]propyl]-2-(5-bromo-1H-indol-3-yl)-6-iodo- (9CI) (CA INDEX NAME)



L10 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

2000:911243 Document No. 134:71500 Preparation of 4-

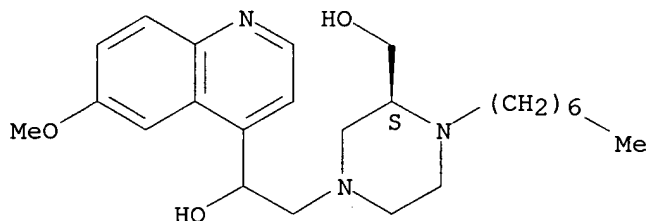
(quinolinylalkyl)piperidine-2-alkanols and analogs as antibacterial agents. Davies, David Thomas; Markwell, Roger Edward; Pearson, Neil David; Takle, Andrew Kenneth (SmithKline Beecham P.L.C., UK). PCT Int. Appl. WO 2000078748 A1 20001228, 47 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 2000-EP5466 20000613. PRIORITY: GB 1999-14486 19990621.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000078748	A1	20001228	WO 2000-EP5466	20000613
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1187828	A1	20020320	EP 2000-942068	20000613
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JP 2003502419 T2 20030121 JP 2001-504914 20000613  
 IT **314740-87-9P**  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of 4-(quinolinylalkyl)piperidine-2-alkanols and analogs as antibacterial agents)  
 RN 314740-87-9 CAPLUS  
 CN 4-Quinolinemethanol,  $\alpha$ -[[ (3S)-4-heptyl-3-(hydroxymethyl)-1-piperazinyl]methyl]-6-methoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L10 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN  
 2000:568542 Document No. 133:150464 Preparation of quinolinylindole derivatives and compositions in use as antimicrobial agents. Cuny, Gregory D.; Hauske, James R.; Heefner, Donald L.; Hoemann, Michael Z.; Kumaravel, Gnanasambandam; Melikian-Badalian, Anita; Rossi, Richard F.; Xie, Roger L. (Sepracor, Inc., USA). U.S. US 6103905 A 20000815, 228 pp., Cont.-in-part of U.S. Ser. No. 99,640. (English). CODEN: USXXAM. APPLICATION: US 1998-213385 19981211. PRIORITY: US 1997-878781 19970619; US 1998-45051 19980319; US 1998-99640 19980618.

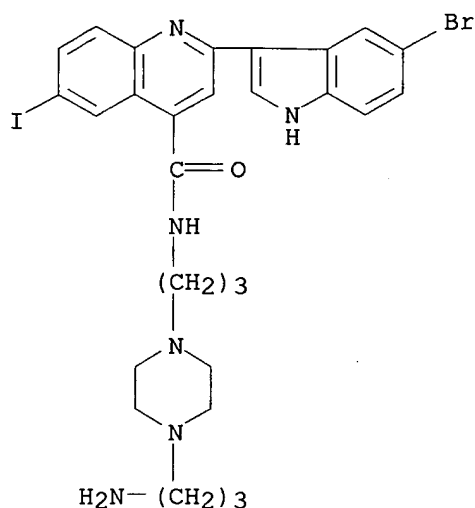
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6103905	A	20000815	US 1998-213385	19981211
US 6207679	B1	20010327	US 1998-45051	19980319
US 6172084	B1	20010109	US 1998-99640	19980618
WO 2000034265	A2	20000615	WO 1999-US28744	19991203
WO 2000034265	A3	20021003		

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RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6376670 B1 20020423 US 2000-658690 20000908

IT **218463-57-1P**  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation of quinolinylindole derivs. as antimicrobial agents)  
 RN 218463-57-1 CAPLUS  
 CN 4-Quinolinecarboxamide, N-[3-[4-(3-aminopropyl)-1-piperazinyl]propyl]-2-(5-bromo-1H-indol-3-yl)-6-iodo- (9CI) (CA INDEX NAME)



L10 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

2000:401813 Document No. 133:43453 Preparation of 2-(3-indolyl)quinolines as antibacterial agents. Cuny, Gregory D.; Hauske, James R.; Heefner, Donald L.; Hoemann, Michael Z.; Kumaravel, Gnanasambandam; Melikian-Badalian, Anita; Rossi, Richard F.; Xie, Roger L. (Sepracor, Inc., USA). PCT Int. Appl. WO 2000034265 A2 20000615, 155 pp. DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2.

APPLICATION: WO 1999-US28744 19991203. PRIORITY: US 1998-213385 19981211.  
 PATENT NO. KIND DATE APPLICATION NO. DATE

PI	WO 2000034265	A2	20000615	WO 1999-US28744	19991203
	WO 2000034265	A3	20021003		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6103905	A	20000815	US 1998-213385	19981211
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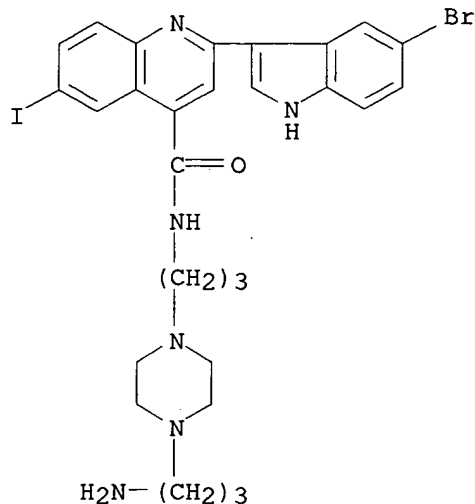
IT 218463-57-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of 2-(3-indolyl)quinolines as antibacterial agents)

RN 218463-57-1 CAPLUS

CN 4-Quinolinecarboxamide, N-[3-[4-(3-aminopropyl)-1-piperazinyl]propyl]-2-(5-

bromo-1H-indol-3-yl)-6-iodo- (9CI) (CA INDEX NAME)



L10 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

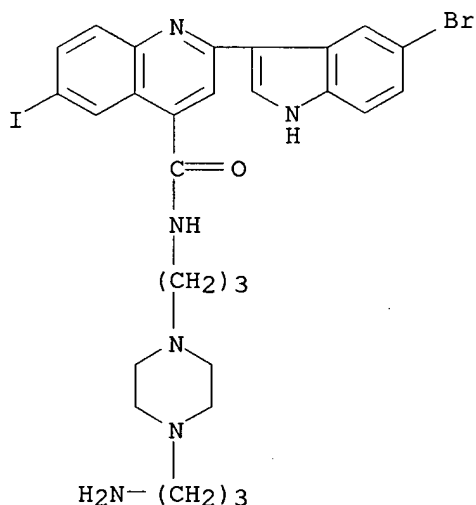
2001:222008 Document No. 134:252257 Preparation of 2-(indolin-3-yl)quinoline derivatives and compositions in use as antimicrobial agents. Cuny, Gregory D.; Hauske, James R.; Heefner, Donald L.; Hoemann, Michael Z.; Kumaravel, Gnanasambandam; Melikian-Badalian, Anita; Rossi, Richard F. (Sepracor, Inc., USA). U.S. US 6207679 B1 20010327, 112 pp., Cont.-in-part of U.S. Ser. No. 878,781, abandoned. (English). CODEN: USXXAM. APPLICATION: US 1998-45051 19980319. PRIORITY: US 1997-878781 19970619.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	US 6207679	B1	20010327	US 1998-45051	19980319	
	WO 9857931	A2	19981223	WO 1998-US12762	19980618	
	WO 9857931	A3	19990429			
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	EP 991623	A2	20000412	EP 1998-930396	19980618	
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	US 6172084	B1	20010109	US 1998-99640	19980618	
	JP 2002505689	T2	20020219	JP 1999-504835	19980618	
	AU 757059	B2	20030130	AU 1998-79797	19980618	
US 6103905	A	20000815	US 1998-213385	19981211		
NO 9906269	A	20000216	NO 1999-6269	19991217		
US 6376670	B1	20020423	US 2000-658690	20000908		

IT 218463-57-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological

study); PREP (Preparation)  
 (preparation and use of quinolinyndole derivs. as antimicrobial agents)  
 RN 218463-57-1 CAPLUS  
 CN 4-Quinolinecarboxamide, N-[3-[4-(3-aminopropyl)-1-piperazinyl]propyl]-2-(5-bromo-1H-indol-3-yl)-6-iodo- (9CI) (CA INDEX NAME)



L10 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN  
 2001:25778 Document No. 134:86170 Quinoline-indole antimicrobial agents.  
 Cuny, Gregory D.; Hauske, James R.; Heefner, Donald L.; Hoemann, Michael  
 Z.; Kumaravel, Gnanasambandam; Melikian-badalian, Anita; Rossi, Richard F.  
 (Sepracor, Inc., USA). U.S. US 6172084 B1 20010109, 151 pp.,  
 Cont.-in-part of U.S. Ser. No. 45,051. (English). CODEN: USXXAM.  
 APPLICATION: US 1998-99640 19980618. PRIORITY: US 1997-878781 19970619;  
 US 1998-45051 19980319.

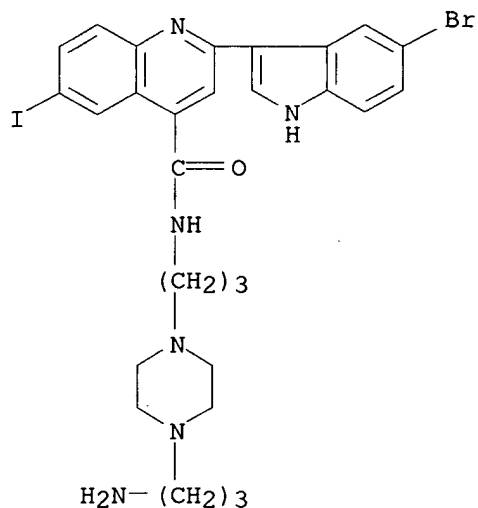
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PI	US 6172084	B1	20010109	US 1998-99640	19980618
	US 6207679	B1	20010327	US 1998-45051	19980319
	US 6103905	A	20000815	US 1998-213385	19981211
	US 6376670	B1	20020423	US 2000-658690	20000908

IT **218463-57-1P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of indolylquinoline bactericides by conventional or combinatorial methods)

RN 218463-57-1 CAPLUS

CN 4-Quinolinecarboxamide, N-[3-[4-(3-aminopropyl)-1-piperazinyl]propyl]-2-(5-bromo-1H-indol-3-yl)-6-iodo- (9CI) (CA INDEX NAME)



=> d 110 11-16 cbib pi fhitr

L10 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

2002:615578 Document No. 137:154942 Preparation of novel quinazoline derivatives for preventing or treating inflammatory diseases caused by bacterial DNA. Kisanuki, Sumitsugu; Tomizawa, Hideyuki; Isobe, Yoshiaki (Japan Energy Corp., Japan). PCT Int. Appl. WO 2002062767 A1 20020815, 96 pp. DESIGNATED STATES: W: AU, CA, JP, NZ, US; RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR. (Japanese). CODEN: PIXXD2. APPLICATION: WO 2002-JP1045 20020207. PRIORITY: JP 2001-30973 20010207.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002062767	A1	20020815	WO 2002-JP1045	20020207
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RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				

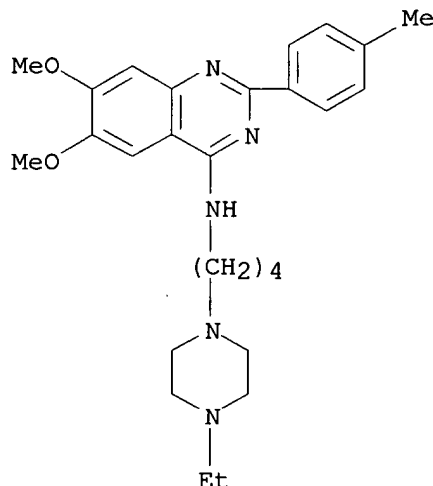
IT **445402-07-3P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of novel quinazoline derivs. for preventing or treating inflammatory diseases caused by bacterial DNA)

RN 445402-07-3 CAPLUS

CN 4-Quinazolinamine, N-[4-(4-ethyl-1-piperazinyl)butyl]-6,7-dimethoxy-2-(4-methylphenyl)- (9CI) (CA INDEX NAME)



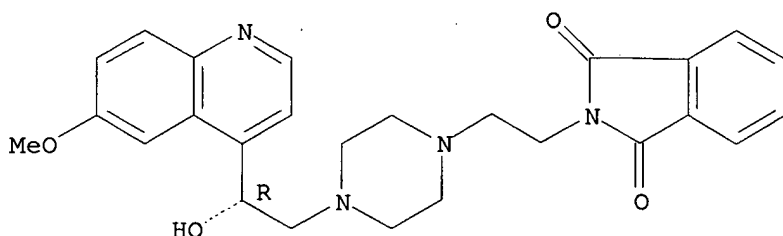
L10 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

2002:487552 Document No. 137:63259 Preparation of piperazines as antibacterials.. Dartois, Catherine Genevieve Yvette; Markwell, Roger Edward; Morvan, Marcel; Nadler, Guy Marguerite Marie Gerard; Pearson, Neil David (Smithkline Beecham P.L.C., UK). PCT Int. Appl. WO 2002050061 A1 20020627, 55 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2001-GB5653 20011219. PRIORITY: GB 2000-31088 20001220.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002050061	A1	20020627	WO 2001-GB5653	20011219
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002022287	A5	20020701	AU 2002-22287	20011219
EP 1343780	A1	20030917	EP 2001-271369	20011219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
IT 439109-92-9P				
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
(preparation of piperazines as antibacterials)				
RN 439109-92-9	CAPLUS			

CN 1H-Isoindole-1,3(2H)-dione, 2-[2-[4-[(2R)-2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

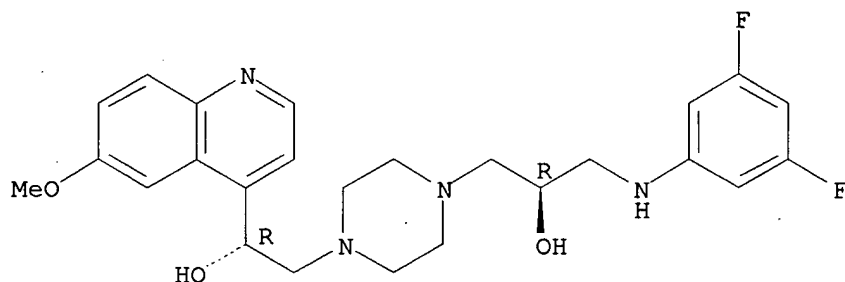


L10 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

2002:487533 Document No. 137:47229 Preparation of piperazinylalkylquinolines as antibacterial agents.. Markwell, Roger Edward; Pearson, Neil David; Smethurst, Christian (Smithkline Beecham PLC, UK). PCT Int. Appl. WO 2002050040 A1 20020627, 51 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2001-GB5661 20011219. PRIORITY: GB 2000-31086 20001220.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002050040	A1	20020627	WO 2001-GB5661	20011219
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2002016214	A5	20020701	AU 2002-16214	20011219
EP 1343765	A1	20030917	EP 2001-271361	20011219
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
IT 438580-20-2P				
RL:	PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)			
	(preparation of piperazinylalkylquinolines as antibacterial agents)			
RN 438580-20-2	CAPLUS			
CN 1,4-Piperazinediethanol, $\alpha$ -[[(3,5-difluorophenyl)amino]methyl]- $\alpha'$ -(6-methoxy-4-quinolinyl)-, ( $\alpha$ R, $\alpha'$ R)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



L10 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

2002:312037 Document No. 136:325436 Preparation of quinolinylindoles as antimicrobial agents. Cuny, Gregory D.; Hauske, James R.; Hoemann, Michael Z.; Chopra, Ian (Sepracor Inc., USA). U.S. US 6376670 B1 20020423, 167 pp., Cont. of U.S. Ser. No. 639,622. (English). CODEN: USXXAM. APPLICATION: US 2000-658690 20000908. PRIORITY: US 1997-878781 19970619; US 1998-45051 19980319; US 1998-99640 19980618; US 1998-213385 19981211; US 2000-639622 20000815.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6376670	B1	20020423	US 2000-658690	20000908
US 6207679	B1	20010327	US 1998-45051	19980319
US 6172084	B1	20010109	US 1998-99640	19980618
US 6103905	A	20000815	US 1998-213385	19981211

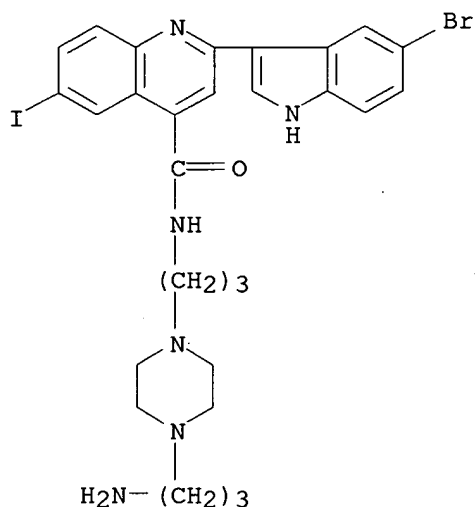
IT **218463-57-1P**

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)

(preparation of quinolinylindole derivs. as antimicrobial agents)

RN 218463-57-1 CAPLUS

CN 4-Quinolinecarboxamide, N-[3-[4-(3-aminopropyl)-1-piperazinyl]propyl]-2-(5-bromo-1H-indol-3-yl)-6-iodo- (9CI) (CA INDEX NAME)

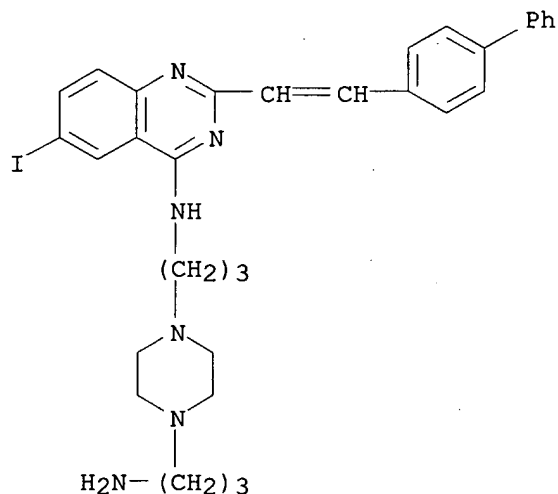




L10 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

2002:240745 Document No. 136:279467 Preparation of quinazolin-4-ylamines as glycoprotein IbIX antagonists.. Mederski, Werner; Devant, Ralf; Barnickel, Gerhard; Bernotat-Danielowski, Sabine; Vickers, James; Cezanne, Bertram; Dhanoa, Daljit; Zhao, Bao-Ping; Rinker, James; Player, Mark R.; Jaeger, Edward; Soll, Richard (Merck Patent G.m.b.H., Germany). PCT Int. Appl. WO 2002024666 A2 20020328, 90 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2001-EP10704 20010917. PRIORITY: US 2000-666117 20000920.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002024666	A2	20020328	WO 2001-EP10704	20010917
WO 2002024666	A3	20020926		
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RW:				
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AU 2002013923	A5	20020402	AU 2002-13923	20010917
EP 1318985	A2	20030618	EP 2001-982300	20010917
R:				
AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001014021	A	20030819	BR 2001-14021	20010917
NO 2003001267	A	20030519	NO 2003-1267	20030319
IT <b>406206-91-5P</b>				
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
(preparation of quinazolin-4-ylamines as glycoprotein IbIX antagonists)				
RN 406206-91-5 CAPLUS				
CN 1,4-Piperazinedipropanamine, N-[2-(2-[1,1'-biphenyl]-4-ylethenyl)-6-iodo-4-quinazolinyl]- (9CI) (CA INDEX NAME)				

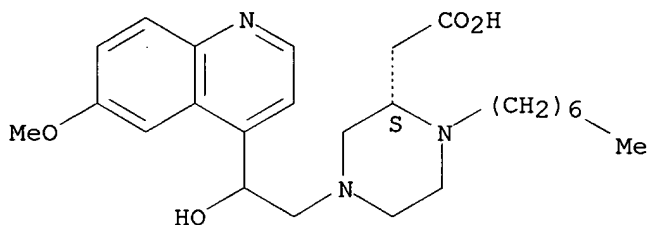


L10 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

2003:855654 Document No. 139:333102 Topoisomerase modulating compounds and methods for the treatment of neoplastic disease. Erskine, Symon G.; Gwynn, Michael; Pearson, Neil David; Wilding, Edwina Imogen (SmithKline Beecham Corporation, USA; SmithKline Beecham P.L.C.). U.S. Pat. Appl. Publ. US 2003203917 A1 20031030, 20 pp., Division of U.S. Ser. No. 912,483. (English). CODEN: USXXCO. APPLICATION: US 2003-441435 20030520. PRIORITY: US 2001-912483 20010725.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003203917	A1	20031030	US 2003-441435	20030520
IT	<b>314740-94-8</b> , SB 369890				
	RL: BSU (Biological study, unclassified); BIOL (Biological study)				
	(topoisomerase-modulating compds. for treatment of neoplastic disease)				
RN	314740-94-8 CAPLUS				
CN	2-Piperazineacetic acid, 1-heptyl-4-[2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-, trihydrochloride, (2S)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



●3 HCl

=> d 110 1 2 cbib pi hitstr

L10 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

1964:425479 Document No. 61:25479 Original Reference No.

61:4380h,4381a-h,4382a-b 1,4-Bis(4-quinolylaminoalkyl)piperazines.  
(Rhone-Poulenc S.A.). BE 626239 19630618, 31 pp. (Unavailable).

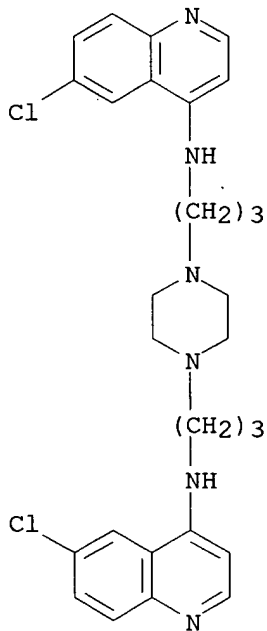
PRIORITY: FR 19611229.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BE 626239		19630618	BE	
	DE 1196202			DE	
	FR AD82307			FR	
	GB 986350			GB	

IT    **103306-38-3**, Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro- **103306-39-4**, Quinoline, 6,7'-dichloro-4,4'-[1,4-piperazinediylbis-[(1-methylethylene)imino]]di- **105255-10-5**, Quinaldine, 4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]bis[6-acetamido- **105312-13-8**, Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methyltetramethylene)imino]]bis[6-methoxy- **105768-39-6**, Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro-2-(p-chlorophenyl)- **106884-60-0**, Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methyltetramethylene)(acetylimino)]]bis[6-methoxy-, dimaleate (preparation of)

RN 103306-38-3 CAPLUS

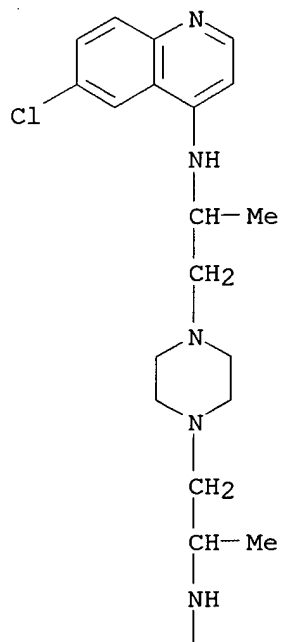
CN Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro-  
(7CI) (CA INDEX NAME)



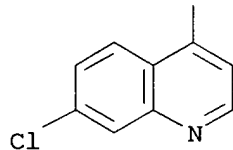
RN 103306-39-4 CAPLUS

CN Quinoline, 6,7'-dichloro-4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]di- (7CI) (CA INDEX NAME)

PAGE 1-A

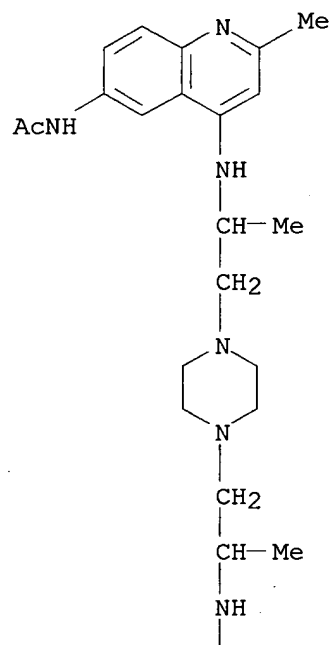


PAGE 2-A

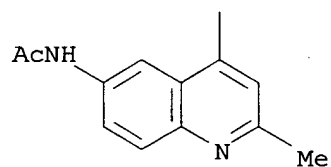


RN 105255-10-5 CAPLUS  
CN Quinaldine, 4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]bis[6-acetamido- (7CI) (CA INDEX NAME)

PAGE 1-A



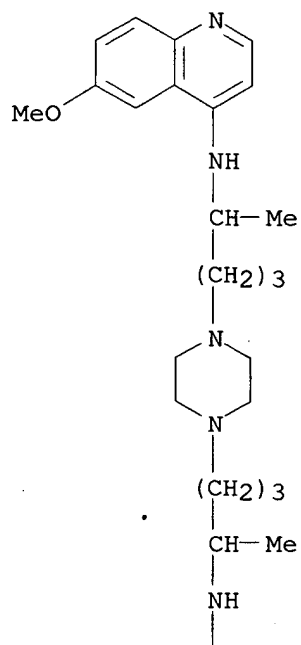
PAGE 2-A



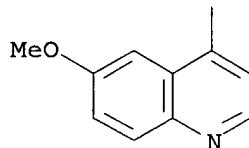
RN 105312-13-8 CAPLUS

CN Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methyltetramethylene)imino]]bis[6-methoxy- (7CI) (CA INDEX NAME)

PAGE 1-A

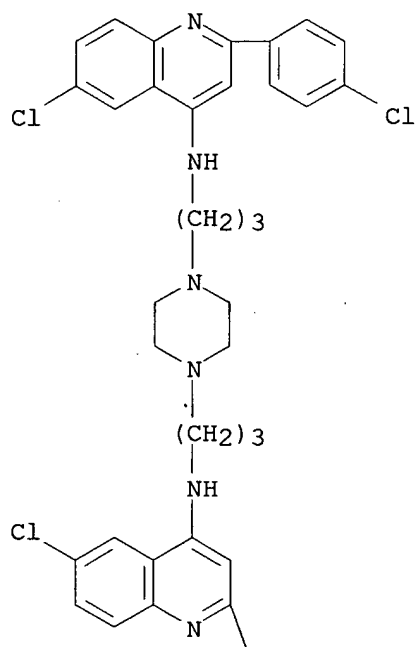


PAGE 2-A

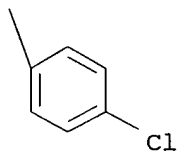


RN 105768-39-6 CAPLUS  
CN Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro-2-(p-chlorophenyl)]-(7CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

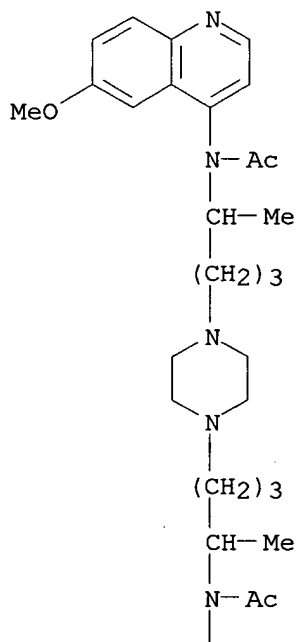


RN 106884-60-0 CAPLUS  
 CN Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methyltetramethylene) (acetylamin  
 o)]]bis[6-methoxy-, dimaleate (7CI) (CA INDEX NAME)

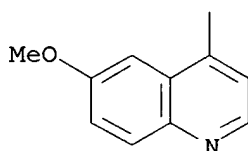
CM 1

CRN 106884-59-7  
 CMF C38 H50 N6 O4

PAGE 1-A



PAGE 2-A

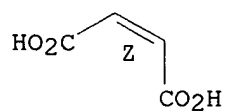


CM 2

CRN 110-16-7

CMF C4 H4 O4

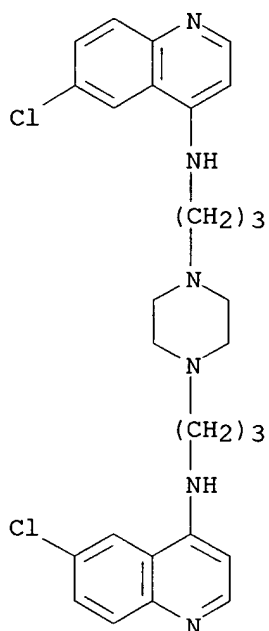
Double bond geometry as shown.



L10 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN  
1964:16840 Document No. 60:16840 Original Reference No. 60:2970a-g 1,4-Bis  
[(4-quinolylamino)alkyl] piperazines. (Rhone-Poulenc S.A.). FR CAM42  
19631007, 8 pp.; Addn. to Fr. M 1695. (Unavailable). APPLICATION: FR  
19620328.

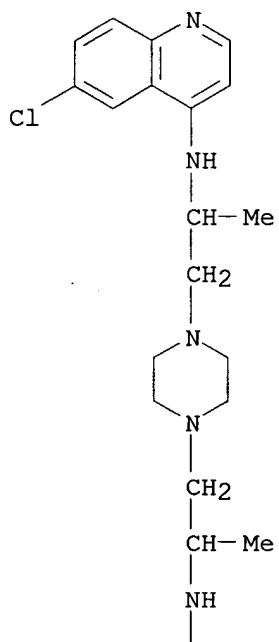


	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR CAM42		19631007	FR	19620328
IT	<b>103306-38-3</b> , Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro- <b>103306-39-4</b> , Quinoline, 6,7'-dichloro-4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]di- <b>105255-10-5</b> , Quinaldine, 4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]bis[6-acetamido- <b>105312-13-8</b> , Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methyltetramethylene)imino]]bis[6-methoxy- <b>105768-39-6</b> , Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro-2-(p-chlorophenyl)- <b>106460-39-3</b> , Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-methoxy-(preparation of)				
RN	103306-38-3	CAPLUS			
CN	Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro-(7CI) (CA INDEX NAME)				

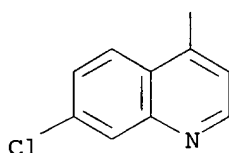


RN 103306-39-4 CAPLUS  
 CN Quinoline, 6,7'-dichloro-4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]di- (7CI) (CA INDEX NAME)

PAGE 1-A

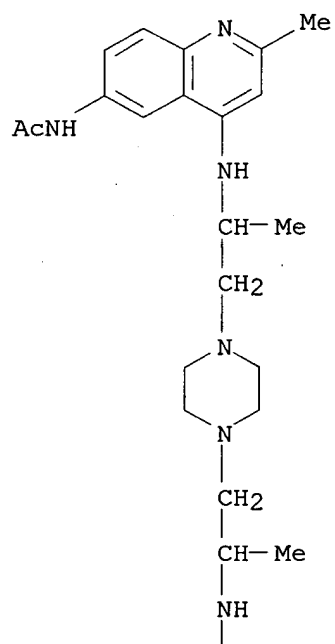


PAGE 2-A

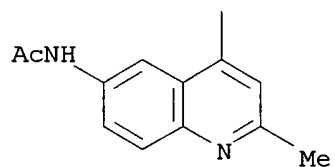


RN 105255-10-5 CAPLUS  
CN Quinaldine, 4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]bis[6-acetamido- (7CI) (CA INDEX NAME)

PAGE 1-A

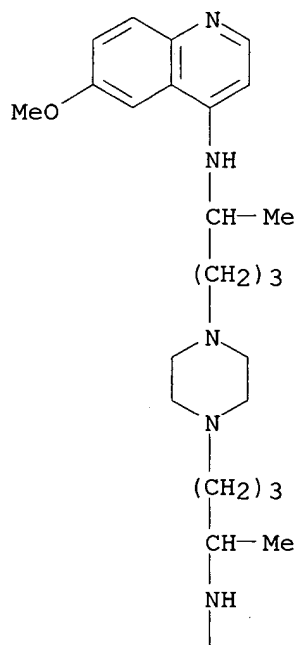


PAGE 2-A

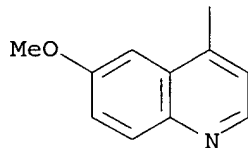


RN 105312-13-8 CAPLUS  
CN Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methyltetramethylene)imino]]bis[6-methoxy- (7CI) (CA INDEX NAME)]

PAGE 1-A

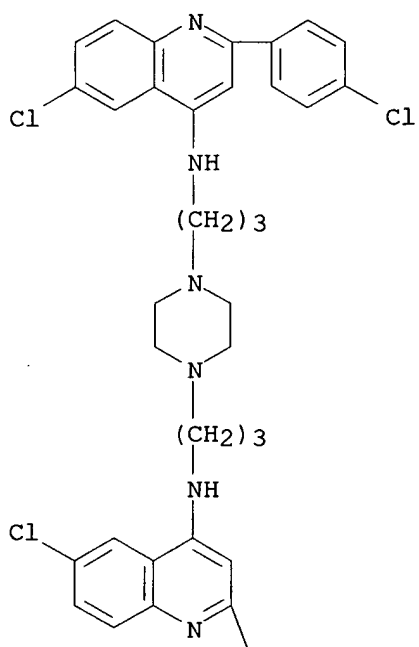


PAGE 2-A

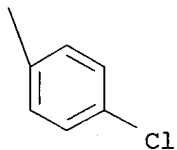


RN 105768-39-6 CAPLUS  
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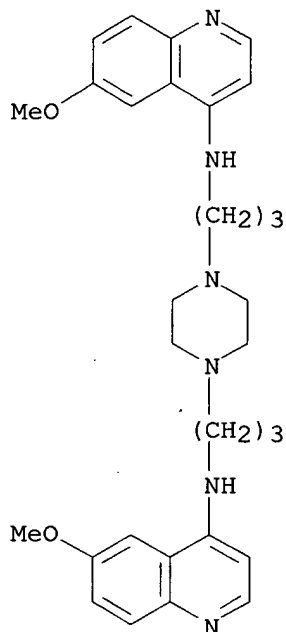
PAGE 1-A



PAGE 2-A



RN 106460-39-3 CAPLUS  
CN Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-methoxy-(7CI) (CA INDEX NAME)



=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

62.91

274.53

FILE 'REGISTRY' ENTERED AT 11:36:18 ON 05 JAN 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 4 JAN 2004 HIGHEST RN 634148-43-9  
DICTIONARY FILE UPDATES: 4 JAN 2004 HIGHEST RN 634148-43-9

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s l1

SAMPLE SEARCH INITIATED 11:36:24 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 25462 TO ITERATE

3.9% PROCESSED 1000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

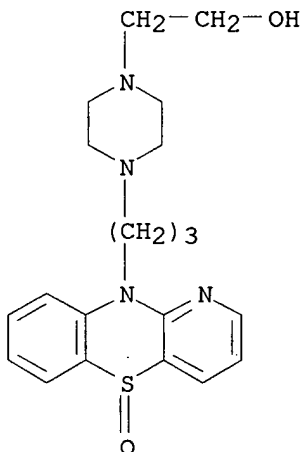
2 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 499706 TO 518774  
PROJECTED ANSWERS: 590 TO 1446

L11 2 SEA SSS SAM L1

=> d scan

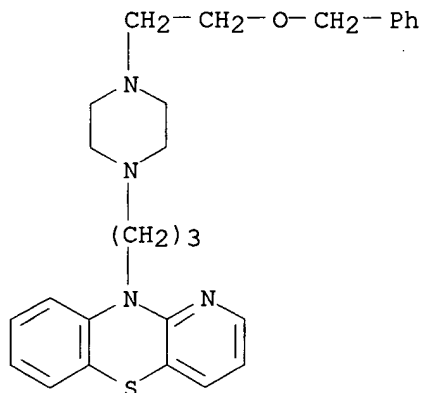
L11 2 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN 1-Piperazineethanol, 4-[3-(10H-pyrido[3,2-b][1,4]benzothiazin-10-yl)propyl]-, S-oxide, dihydrochloride (7CI)  
MF C20 H26 N4 O2 S . 2 Cl H



● 2 HCl

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L11 2 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN 10H-Pyrido[3,2-b][1,4]benzothiazine, 10-[3-[4-[2-(benzyloxy)ethyl]-1-piperazinyl]propyl]-, dihydrochloride (7CI)  
MF C27 H32 N4 O S . 2 Cl H

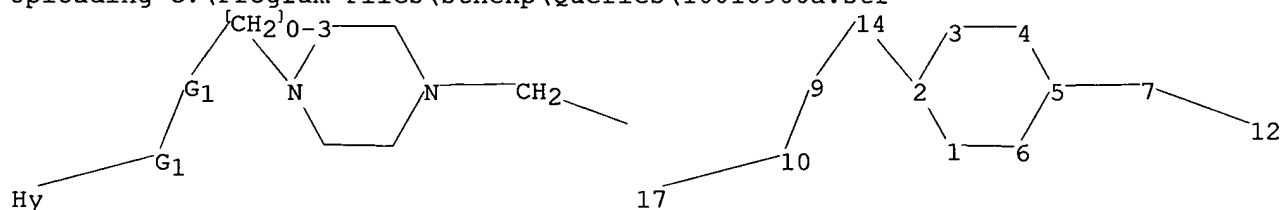


● 2 HCl

ALL ANSWERS HAVE BEEN SCANNED

=>

Uploading C:\Program Files\Stnexp\Queries\10018900a.str



chain nodes :

7 9 10 12 14 17

ring nodes :

1 2 3 4 5 6

chain bonds :

2-14 5-7 7-12 9-10 9-14 10-17

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-14 10-17

exact bonds :

2-14 5-7 7-12

G1:C,O,N

G2:C,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 9:Atom 10:Atom 12:Atom

14:CLASS 17:Atom

Generic attributes :



10/018,900 Thomas McKenzie

17:

Number of Carbon Atoms : 7 or more  
Number of Hetero Atoms : 2 or more  
Type of Ring System : Polycyclic

Element Count :  
Node 17: Limited  
N,N2  
C,C8

L12 STRUCTURE UPLOADED

=> s l12

SAMPLE SEARCH INITIATED 11:38:06 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 25462 TO ITERATE

3.9% PROCESSED 1000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 499706 TO 518774  
PROJECTED ANSWERS: 0 TO 0

L13 0 SEA SSS SAM L12

=> s l12 full

FULL SEARCH INITIATED 11:38:14 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 510282 TO ITERATE

78.4% PROCESSED 400000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.09

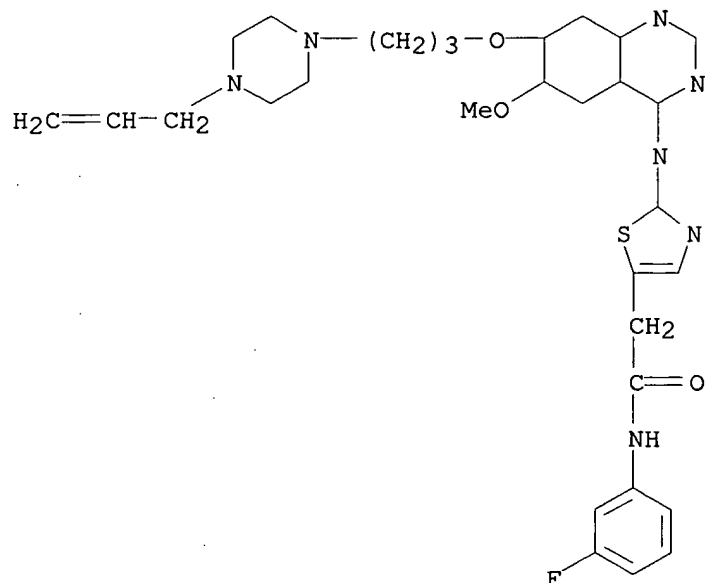
177 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 510282 TO 510282  
PROJECTED ANSWERS: 180 TO 270

L14 177 SEA SSS FUL L12

=> d scan

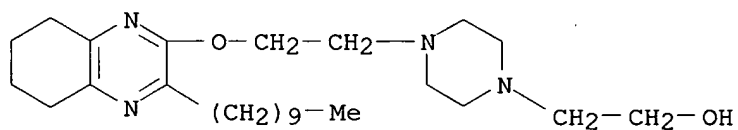
L14 177 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN 5-Thiazoleacetamide, N-(3-fluorophenyl)-2-[[6-methoxy-7-[3-[4-(2-propenyl)-  
1-piperazinyl]propoxy]-4-quinazolinyl]amino]- (9CI)  
MF C30 H34 F N7 O3 S



\*\*\* FRAGMENT DIAGRAM IS INCOMPLETE \*\*\*

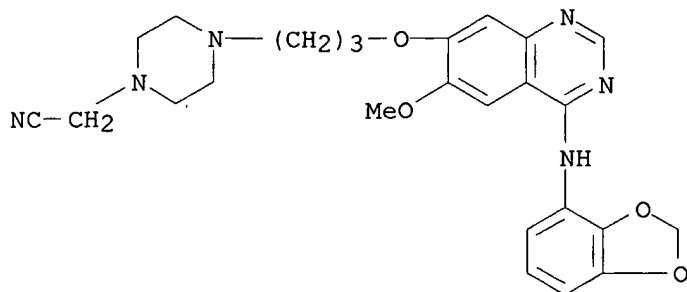
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L14 177 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
 IN 1-Piperazineethanol, 4-[2-[(3-decyl-5,6,7,8-tetrahydro-2-  
 quinoxalinyloxy]ethyl]-, monohydrochloride (9CI)  
 MF C26 H46 N4 O2 . Cl H



● HCl

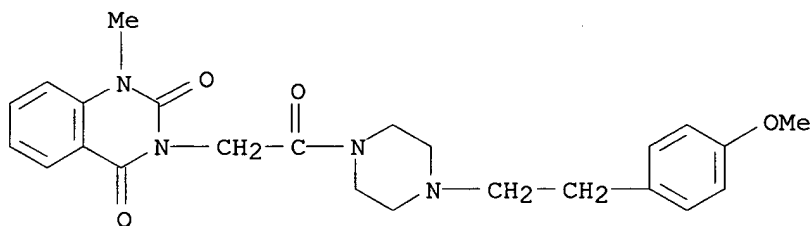
L14 177 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
 IN 1-Piperazineacetonitrile, 4-[3-[[4-(1,3-benzodioxol-4-ylamino)-6-methoxy-7-  
 quinazolinyl]oxy]propyl]- (9CI)  
 MF C25 H28 N6 O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

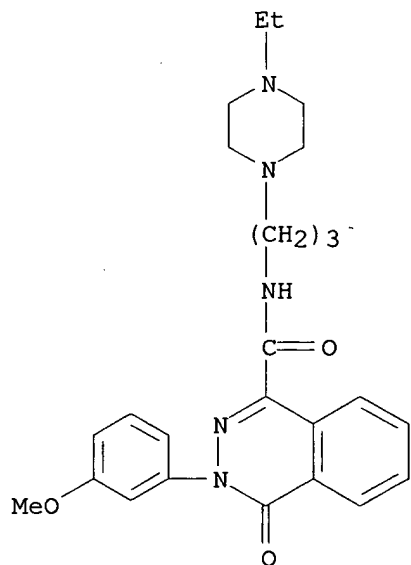
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L14 177 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN Piperazine, 1-[(1,4-dihydro-1-methyl-2,4-dioxo-3(2H)-quinazolinyl)acetyl]-  
4-[2-(4-methoxyphenyl)ethyl]- (9CI)  
MF C24 H28 N4 O4



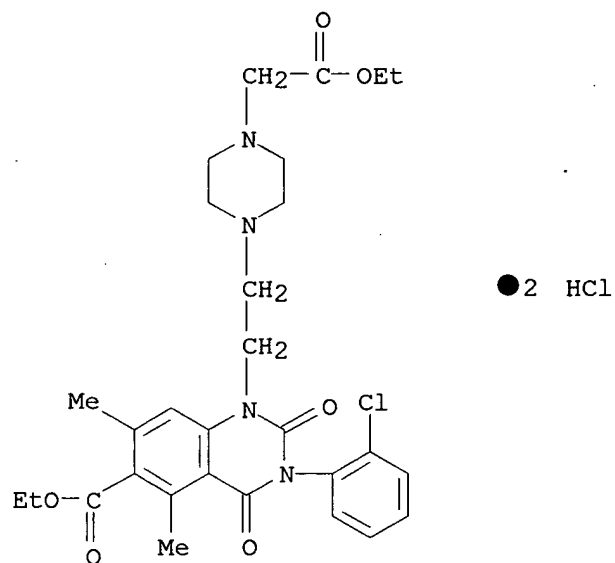
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L14 177 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN 1-Phthalazinecarboxamide, N-[3-(4-ethyl-1-piperazinyl)propyl]-3,4-dihydro-  
3-(3-methoxyphenyl)-4-oxo- (9CI)  
MF C25 H31 N5 O3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L14 177 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
 IN 6-Quinazolinecarboxylic acid, 3-(2-chlorophenyl)-1-[2-[4-(2-ethoxy-2-oxoethyl)-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-5,7-dimethyl-2,4-dioxo-, ethyl ester, dihydrochloride (9CI)  
 MF C29 H35 Cl N4 O6 . 2 Cl H



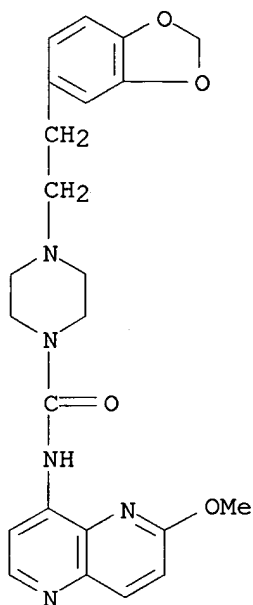
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L14 177 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

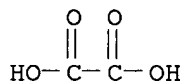
IN 1-Piperazinecarboxamide, 4-[2-(1,3-benzodioxol-5-yl)ethyl]-N-(6-methoxy-1,5-naphthyridin-4-yl)-, ethanedioate (1:2) (9CI)

MF C23 H25 N5 O4 . 2 C2 H2 O4

CM 1



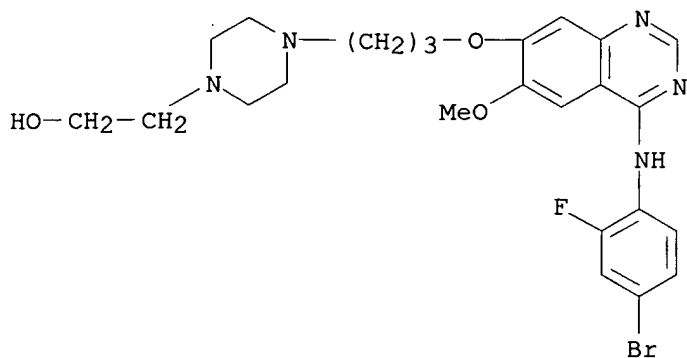
CM 2



L14 177 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

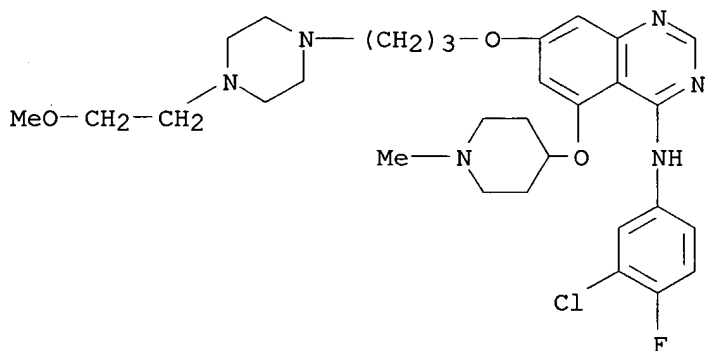
IN 1-Piperazineethanol, 4-[3-[[4-[(4-bromo-2-fluorophenyl)amino]-6-methoxy-7-quinazolinyl]oxy]propyl]-, monohydrochloride (9CI)

MF C24 H29 Br F N5 O3 . Cl H



● HCl

L14 177 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-7-[3-[4-(2-methoxyethyl)-1-piperazinyl]propoxy]-5-[(1-methyl-4-piperidinyl)oxy]-(9CI)  
MF C30 H40 Cl F N6 O3

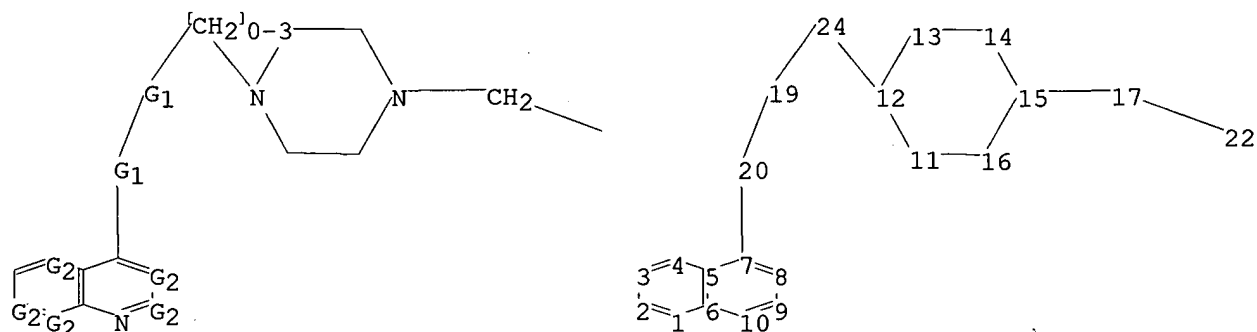


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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Uploading C:\Program Files\Stnexp\Queries\10018900.str



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17 19 20 22 24
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
chain bonds :
7-20 12-24 15-17 17-22 19-20 19-24
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 11-12 11-16 12-13 13-14
14-15 15-16
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-20 8-9 9-10 11-12 11-16 12-13
12-24 13-14 14-15 15-16 15-17 17-22 19-20 19-24
isolated ring systems :
containing 1 :

```

G1:C,O,N

G2:C,N

Match level :

```

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 19:Atom 20:Atom
22:Atom 24:CLASS

```

L15 STRUCTURE UPLOADED

=> d his

(FILE 'HOME' ENTERED AT 11:21:12 ON 05 JAN 2004)

FILE 'REGISTRY' ENTERED AT 11:22:06 ON 05 JAN 2004

L1 STRUCTURE UPLOADED

L2 STRUCTURE UPLOADED

L3 2 S L2

L4 114 S L2 FULL

FILE 'CAOLD' ENTERED AT 11:23:30 ON 05 JAN 2004

L5 5 S L4

FILE 'REGISTRY' ENTERED AT 11:28:34 ON 05 JAN 2004

10/018,900 Thomas McKenzie

L6 STRUCTURE UPLOADED  
L7 103 S L6 FULL SUB=L4

FILE 'CAPLUS' ENTERED AT 11:29:30 ON 05 JAN 2004

FILE 'REGISTRY' ENTERED AT 11:30:02 ON 05 JAN 2004  
L8 101 S L7 NOT (107386-93-6 OR 105768-65-8)

FILE 'CAPLUS' ENTERED AT 11:30:42 ON 05 JAN 2004  
L9 16 S L8  
L10 16 SORT L9 PY

FILE 'REGISTRY' ENTERED AT 11:36:18 ON 05 JAN 2004  
L11 2 S L1  
L12 STRUCTURE UPLOADED  
L13 0 S L12  
L14 177 S L12 FULL  
L15 STRUCTURE UPLOADED

=> s l15 subset = l14

ENTER SUBSET SEARCH SCOPE - SAMPLE, FULL, RANGE, OR (END):sample  
SAMPLE SUBSET SEARCH INITIATED 11:41:23 FILE 'REGISTRY'  
SAMPLE SUBSET SCREEN SEARCH COMPLETED - 6 TO ITERATE

100.0% PROCESSED 6 ITERATIONS 1 ANSWERS  
SEARCH TIME: 00.00.01

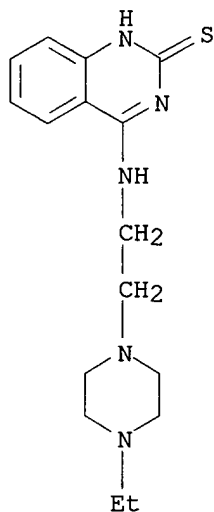
PROJECTIONS (WITHIN SPECIFIED SUBSET):	ONLINE	**COMPLETE**	
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET):	6 TO		266
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET):	1 TO		80

L16 1 SEA SUB=L14 SSS SAM L15

=> d scan

L16 1 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN 2(1H)-Quinazolinethione, 4-[[2-(4-ethyl-1-piperazinyl)ethyl]amino]- (9CI)  
MF C16 H23 N5 S





\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> s l15 subset = l14 full

FULL SUBSET SEARCH INITIATED 11:41:50 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 141 TO ITERATE

100.0% PROCESSED 141 ITERATIONS

18 ANSWERS

SEARCH TIME: 00.00.01

L17 18 SEA SUB=L14 SSS FUL L15

=> d 1-18 ide cbib pi

L17 ANSWER 1 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN

RN 445402-07-3 REGISTRY

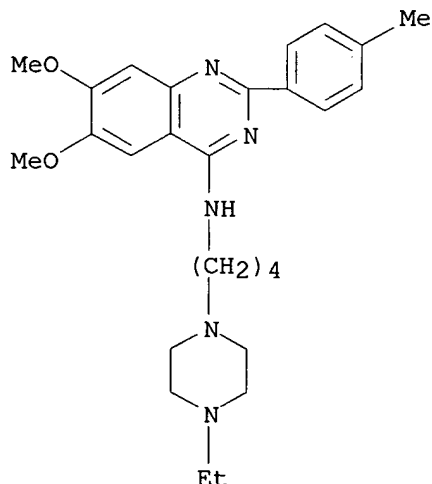
CN 4-Quinazolinamine, N-[4-(4-ethyl-1-piperazinyl)butyl]-6,7-dimethoxy-2-(4-methylphenyl)- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C27 H37 N5 O2

SR CA

LC STN Files: CA, CAPLUS



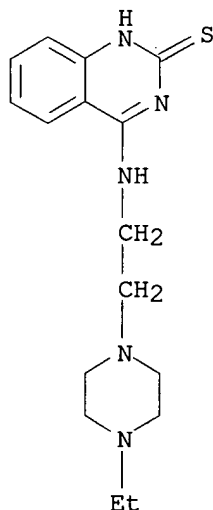
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:154942 Preparation of novel quinazoline derivatives for preventing or treating inflammatory diseases caused by bacterial DNA. Kisanuki, Sumitsugu; Tomizawa, Hideyuki; Isobe, Yoshiaki (Japan Energy Corp., Japan). PCT Int. Appl. WO 2002062767 A1 20020815, 96 pp. DESIGNATED STATES: W: AU, CA, JP, NZ, US; RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR. (Japanese). CODEN: PIXXD2. APPLICATION: WO 2002-JP1045 20020207. PRIORITY: JP 2001-30973 20010207.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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L17 ANSWER 2 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN  
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(CA INDEX NAME)  
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MF C16 H23 N5 S  
SR Chemical Library  
LC STN Files: CHEMCATS



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L17 ANSWER 3 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN

RN 439110-23-3 REGISTRY

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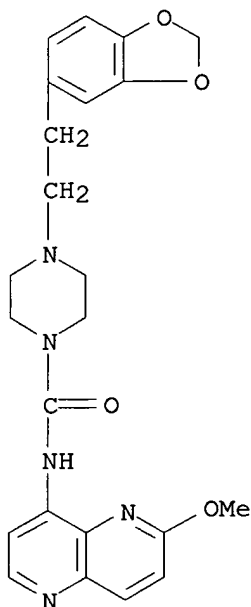
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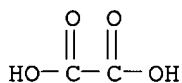
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CM 2

CRN 144-62-7  
CMF C2 H2 O4



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:63259 Preparation of piperazines as antibacterials..  
Dartois, Catherine Genevieve Yvette; Markwell, Roger Edward; Morvan, Marcel; Nadler, Guy Marguerite Marie Gerard; Pearson, Neil David (Smithkline Beecham P.L.C., UK). PCT Int. Appl. WO 2002050061 A1 20020627, 55 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2001-GB5653 20011219. PRIORITY: GB 2000-31088 20001220.

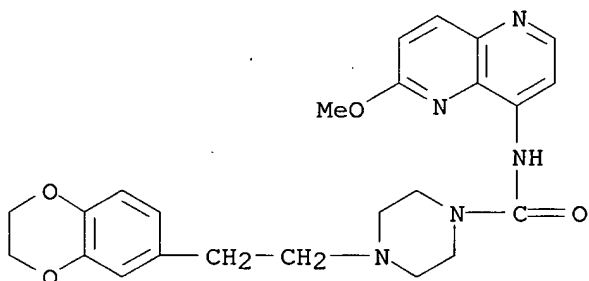
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L17 ANSWER 4 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 439110-22-2 REGISTRY  
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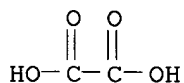
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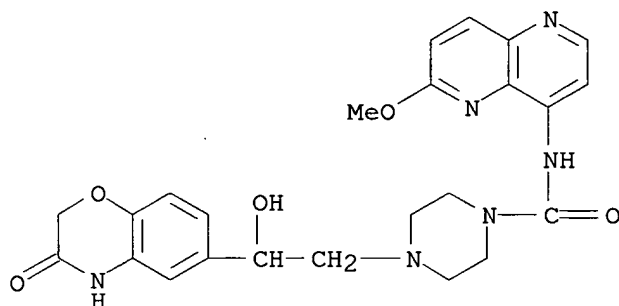
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:63259 Preparation of piperazines as antibacterials..  
 Dartois, Catherine Genevieve Yvette; Markwell, Roger Edward; Morvan,  
 Marcel; Nadler, Guy Marguerite Marie Gerard; Pearson, Neil David  
 (Smithkline Beecham P.L.C., UK). PCT Int. Appl. WO 2002050061 A1

20020627, 55 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English).  
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L17 ANSWER 5 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN  
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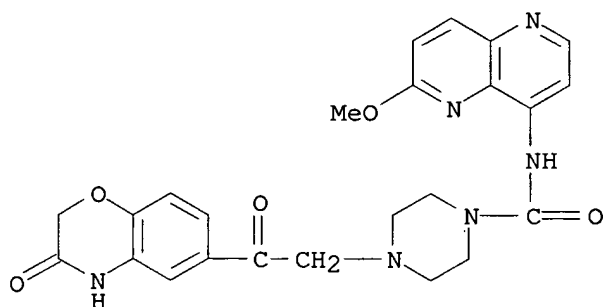
1 REFERENCES IN FILE CA (1907 TO DATE)  
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REFERENCE 1: 137:63259 Preparation of piperazines as antibacterials..  
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 (Smithkline Beecham P.L.C., UK). PCT Int. Appl. WO 2002050061 A1  
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L17 ANSWER 6 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN  
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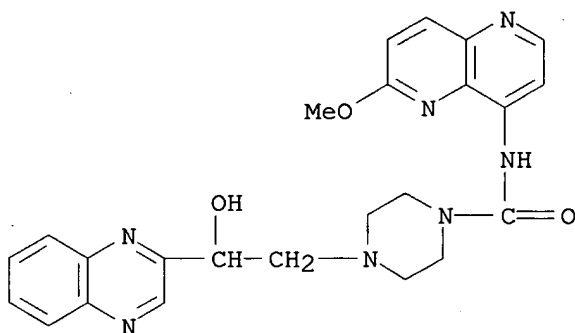
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 Dartois, Catherine Genevieve Yvette; Markwell, Roger Edward; Morvan,  
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 (Smithkline Beecham P.L.C., UK). PCT Int. Appl. WO 2002050061 A1  
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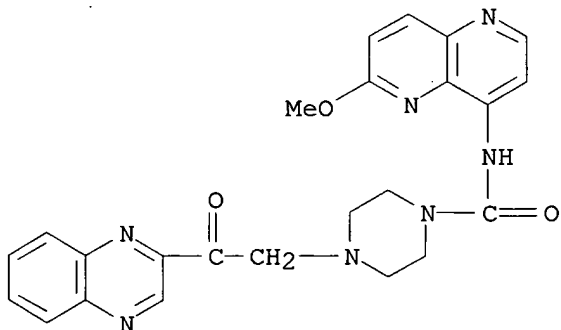


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Marcel; Nadler, Guy Marguerite Marie Gerard; Pearson, Neil David  
(Smithkline Beecham P.L.C., UK). PCT Int. Appl. WO 2002050061 A1  
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L17 ANSWER 8 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN  
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## REFERENCE 1: 137:63259 Preparation of piperazines as antibacterials..

Dartois, Catherine Genevieve Yvette; Markwell, Roger Edward; Morvan, Marcel; Nadler, Guy Marguerite Marie Gerard; Pearson, Neil David (Smithkline Beecham P.L.C., UK). PCT Int. Appl. WO 2002050061 A1 20020627, 55 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2001-GB5653 20011219. PRIORITY: GB 2000-31088 20001220.

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L17 ANSWER 9 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN

RN 439110-00-6 REGISTRY

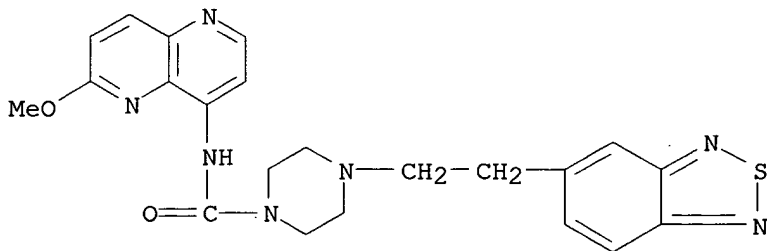
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FS 3D CONCORD

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LC STN Files: CA, CAPLUS



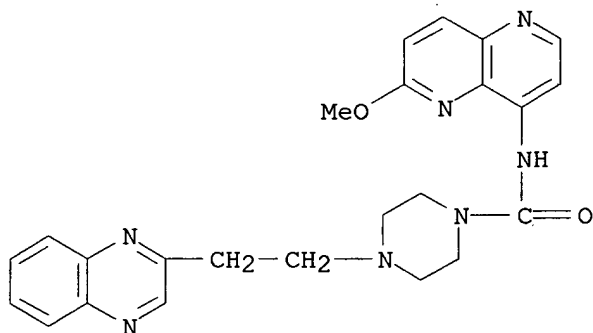
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1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:63259 Preparation of piperazines as antibacterials..  
 Dartois, Catherine Genevieve Yvette; Markwell, Roger Edward; Morvan,  
 Marcel; Nadler, Guy Marguerite Marie Gerard; Pearson, Neil David  
 (Smithkline Beecham P.L.C., UK). PCT Int. Appl. WO 2002050061 A1  
 20020627, 55 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA,  
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 AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR,  
 IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English).  
 CODEN: PIXXD2. APPLICATION: WO 2001-GB5653 20011219. PRIORITY: GB  
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L17 ANSWER 10 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 439109-99-6 REGISTRY  
 CN 1-Piperazinecarboxamide, N-(6-methoxy-1,5-naphthyridin-4-yl)-4-[2-(2-quinoxalinyloxy)ethyl]- (9CI) (CA INDEX NAME)  
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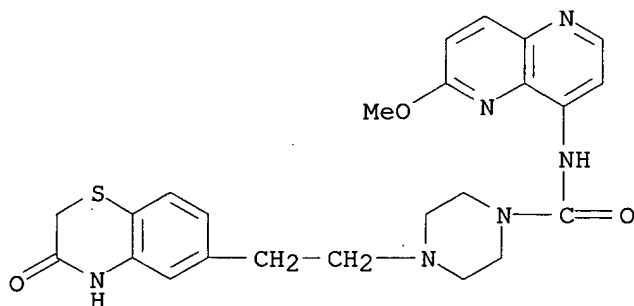
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:63259 Preparation of piperazines as antibacterials..  
Dartois, Catherine Genevieve Yvette; Markwell, Roger Edward; Morvan, Marcel; Nadler, Guy Marguerite Marie Gerard; Pearson, Neil David (Smithkline Beecham P.L.C., UK). PCT Int. Appl. WO 2002050061 A1 20020627, 55 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2001-GB5653 20011219. PRIORITY: GB 2000-31088 20001220.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002050061	A1	20020627	WO 2001-GB5653	20011219
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L17 ANSWER 11 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 439109-98-5 REGISTRY  
CN 1-Piperazinecarboxamide, 4-[2-(3,4-dihydro-3-oxo-2H-1,4-benzothiazin-6-yl)ethyl]-N-(6-methoxy-1,5-naphthyridin-4-yl)- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C24 H26 N6 O3 S

SR CA  
LC STN Files: CA, CAPLUS



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1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 137:63259 Preparation of piperazines as antibacterials..  
Dartois, Catherine Genevieve Yvette; Markwell, Roger Edward; Morvan, Marcel; Nadler, Guy Marguerite Marie Gerard; Pearson, Neil David  
(Smithkline Beecham P.L.C., UK). PCT Int. Appl. WO 2002050061 A1  
20020627, 55 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English).  
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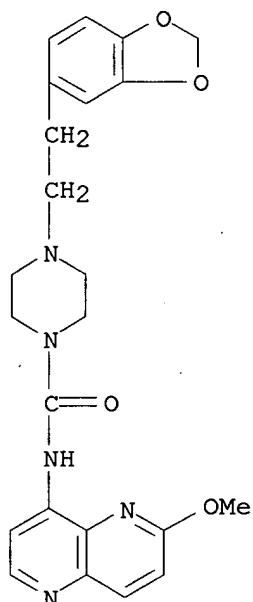
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L17 ANSWER 12 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN

RN 439109-97-4 REGISTRY

CN 1-Piperazinecarboxamide, 4-[2-(1,3-benzodioxol-5-yl)ethyl]-N-(6-methoxy-1,5-naphthyridin-4-yl)- (9CI) (CA INDEX NAME)

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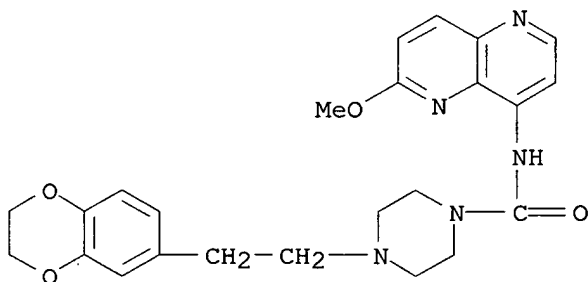
1 REFERENCES IN FILE CA (1907 TO DATE)  
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REFERENCE 1: 137:63259 Preparation of piperazines as antibacterials..  
Dartois, Catherine Genevieve Yvette; Markwell, Roger Edward; Morvan, Marcel; Nadler, Guy Marguerite Marie Gerard; Pearson, Neil David (Smithkline Beecham P.L.C., UK). PCT Int. Appl. WO 2002050061 A1 20020627, 55 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL; PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2001-GB5653 20011219. PRIORITY: GB 2000-31088 20001220.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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L17 ANSWER 13 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 439109-96-3 REGISTRY  
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 (6-methoxy-1,5-naphthyridin-4-yl)- (9CI) (CA INDEX NAME)  
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 SR CA  
 LC STN Files: CA, CAPLUS



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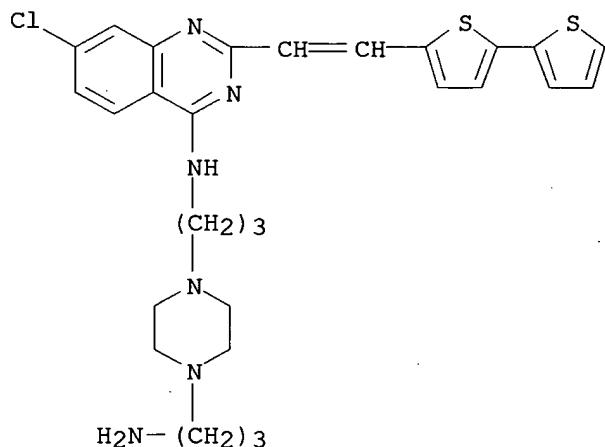
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REFERENCE 1: 137:63259 Preparation of piperazines as antibacterials..  
 Dartois, Catherine Genevieve Yvette; Markwell, Roger Edward; Morvan,  
 Marcel; Nadler, Guy Marguerite Marie Gerard; Pearson, Neil David  
 (Smithkline Beecham P.L.C., UK). PCT Int. Appl. WO 2002050061 A1  
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L17 ANSWER 14 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN  
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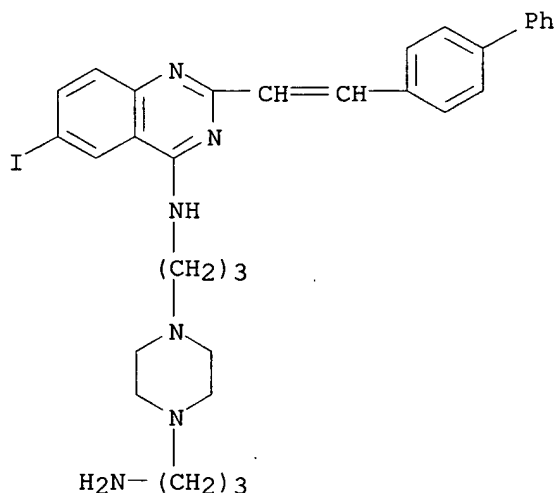
REFERENCE 1: 136:279467 Preparation of quinazolin-4-ylamines as glycoprotein  
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Daljit; Zhao, Bao-Ping; Rinker, James; Player, Mark R.; Jaeger, Edward;  
Soll, Richard (Merck Patent G.m.b.H., Germany). PCT Int. Appl. WO  
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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L17 ANSWER 15 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 406206-91-5 REGISTRY  
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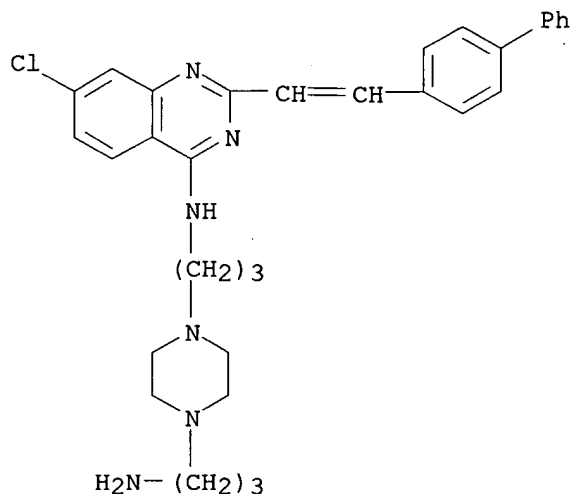
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1 REFERENCES IN FILE CA (1907 TO DATE)  
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REFERENCE 1: 136:279467 Preparation of quinazolin-4-ylamines as glycoprotein  
 IbIX antagonists.. Mederski, Werner; Devant, Ralf; Barnickel, Gerhard;  
 Bernotat-Danielowski, Sabine; Vickers, James; Cezanne, Bertram; Dhanoa,  
 Daljit; Zhao, Bao-Ping; Rinker, James; Player, Mark R.; Jaeger, Edward;  
 Soll, Richard (Merck Patent G.m.b.H., Germany). PCT Int. Appl. WO  
 2002024666 A2 20020328, 90 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT,  
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	EP 1318985	A2	20030618	EP 2001-982300	20010917
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	NO 2003001267	A	20030519	NO 2003-1267	20030319

L17 ANSWER 16 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 406206-84-6 REGISTRY  
 CN 1,4-Piperazinedipropanamine, N-[2-(2-[1,1'-biphenyl]-4-ylethenyl)-7-chloro-  
 4-quinazolinyl]- (9CI) (CA INDEX NAME)  
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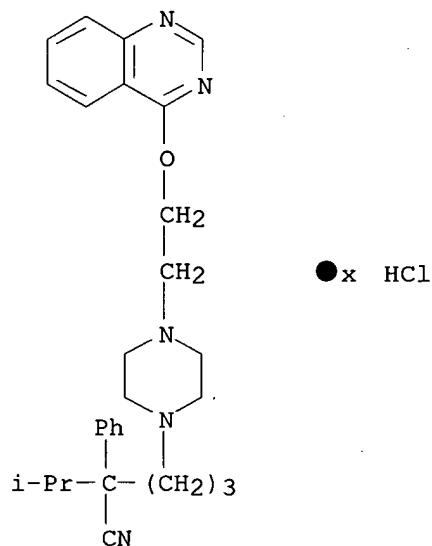
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:279467 Preparation of quinazolin-4-ylamines as glycoprotein  
IbIX antagonists.. Mederski, Werner; Devant, Ralf; Barnickel, Gerhard;  
Bernotat-Danielowski, Sabine; Vickers, James; Cezanne, Bertram; Dhanoa,  
Daljit; Zhao, Bao-Ping; Rinker, James; Player, Mark R.; Jaeger, Edward;  
Soll, Richard (Merck Patent G.m.b.H., Germany). PCT Int. Appl. WO  
2002024666 A2 20020328, 90 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT,  
AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM,  
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UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW:  
AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR,  
IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English).  
CODEN: PIXXD2. APPLICATION: WO 2001-EP10704 20010917. PRIORITY: US  
2000-666117 20000920.

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BR 2001014021 A 20030819 BR 2001-14021 20010917  
 NO 2003001267 A 20030519 NO 2003-1267 20030319

L17 ANSWER 17 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 255848-83-0 REGISTRY  
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 SR CA  
 LC STN Files: CA, CAPLUS  
 CRN (255847-76-8)



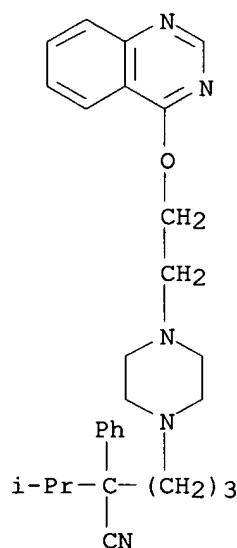
1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:137408 Preparation of N,N'-substituted-piperazine derivatives. Yamamoto, Noboru; Komatsu, Makoto; Suzuki, Yuichi; Kawano, Koki; Kimura, Teiji; Ito, Koichi; Nagato, Satoshi; Norimine, Yoshihiko; Niidome, Tetsuhiro; Teramoto, Tetsuyuki; Iimura, Yoichi; Hatakeyama, Shinji (Eisai Co., Ltd., Japan; et al.). PCT Int. Appl. WO 2000005210 A1 20000203, 209 pp. DESIGNATED STATES: W: AU, BR, CA, CN, HU, KR, MX, NO, NZ, RU, US, ZA; RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE. (Japanese). CODEN: PIXXD2. APPLICATION: WO 1999-JP3900 19990721. PRIORITY: JP 1998-205709 19980721; JP 1998-280103 19981001.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000005210	A1	20000203	WO 1999-JP3900	19990721
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AU 9947980	A1	20000214	AU 1999-47980	19990721
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L17 ANSWER 18 OF 18 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 255847-76-8 REGISTRY  
CN 1-Piperazinepentanenitrile,  $\alpha$ -(1-methylethyl)- $\alpha$ -phenyl-4-[2-(4-quinazolinylloxy)ethyl]- (9CI) (CA INDEX NAME)  
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LC STN Files: CA, CAPLUS



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1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 132:137408 Preparation of N,N'-substituted-piperazine derivatives. Yamamoto, Noboru; Komatsu, Makoto; Suzuki, Yuichi; Kawano, Koki; Kimura, Teiji; Ito, Koichi; Nagato, Satoshi; Norimine, Yoshihiko; Niidome, Tetsuhiro; Teramoto, Tetsuyuki; Iimura, Yoichi; Hatakeyama, Shinji (Eisai Co., Ltd., Japan; et al.). PCT Int. Appl. WO 2000005210 A1 20000203, 209 pp. DESIGNATED STATES: W: AU, BR, CA, CN, HU, KR, MX, NO, NZ, RU, US, ZA; RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE. (Japanese). CODEN: PIXXD2. APPLICATION: WO 1999-JP3900 19990721. PRIORITY: JP 1998-205709 19980721; JP 1998-280103 19981001.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000005210	A1	20000203	WO 1999-JP3900	19990721

10/018,900 Thomas McKenzie

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